

2015-2016 OU2 GROUNDWATER INVESTIGATION  
DATA SUMMARY REPORT  
VPB163

NAVAL WEAPONS INDUSTRIAL RESERVE PLANT (NWIRP)  
SITE 1 OU2  
BETHPAGE, NY

Prepared for:



Department of the Navy  
Naval Facilities Engineering Command, Atlantic  
9324 Virginia Avenue  
Building Z-144  
Norfolk, Virginia 23511

September 2016

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Contract Number: N62470-11-D-8013  
CTO WE15

September 2016

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## List of Acronyms and Abbreviations

AOC	Area of Concern
bgs	below ground surface
COR	Continuously Operating Reference
DoD	Department of Defense
ELAP	Environmental Laboratory Accreditation Program
EPA	Environmental Protection Agency, United States
ft	feet
GOCO	Government-Owned Contractor-Operated
GPS	Global Positioning System
IDW	Investigation Derived Waste
IR	Installation Restoration
Katahdin	Katahdin Analytical Services
NAD	North American Datum
NAVD	North American Vertical Datum
NAVFAC	Naval Facilities Engineering Command
NG	Northrop Grumman
NWIRP	Naval Weapons Industrial Reserve Plant
NYS	New York State
NYSDEC	New York State Department of Environmental Conservation
OU	Operable Unit
PCBs	Polychlorinated Biphenyls
PCE	Tetrachloroethene
PID	Photoionization Detector
POTW	Publicly Owned Treatment Works
PPE	Personal Protective Equipment
SAP	Sampling and Analysis Plan
SVOC	Semivolatile Organic Compounds
TCE	Trichloroethene
TCL	Target Compound List
TCLP	Toxicity Characteristic Leaching Procedure
TOC	Total Organic Carbon
UFP	United Federal Programs
VOC	Volatile Organic Compounds
VPB	Vertical Profile Boring

## 1.0 PROJECT BACKGROUND

Resolution Consultants has prepared this Data Summary Report for the Naval Facilities Engineering Command (NAVFAC), Mid-Atlantic under contract task order WE15 Contract N62470-11-D-8013. This report describes vertical profile boring (VPB) installation activities (specifically at the VPB163 location) in 2015 and 2016 for the Naval Weapons Industrial Reserve Plant (NWIRP) Bethpage Operable Unit (OU) 2 Site 1 offsite plume. NWIRP Bethpage is located in east-central Nassau County, Long Island, New York, approximately 30 miles east of New York City (Figure 1).

### 1.1 Scope and Objectives

This data summary report provides information on the installation of VPB163. The purpose of the VPB163 investigation was to ascertain subsurface conditions and contaminant levels and the western extent of the offsite plume south of Hempstead Turnpike and west of Seaman's Neck Road. VPB locations within the general vicinity of VPB163 are shown in Figure 2. VPB163 was completed to 990 feet (ft) below ground surface (bgs).

Field tasks were conducted in 2015 and 2016 in accordance with the *United Federal Programs Sampling and Analysis Plan (UFP SAP)*, Bethpage, New York (Resolution Consultants, 2013a) and the *UFP SAP Addendum Installation of Vertical Profile Borings and Monitoring Wells* (Resolution Consultants, 2013b). The field investigation included completing one vertical profile boring, groundwater grab samples, geophysical logging, and surveying.

Documentation of these activities is included in Appendix A of this report.

### 1.2 Site History

NWIRP Bethpage is in the Hamlet of Bethpage, Town of Oyster Bay, New York. Since its inception in 1941, the plant's primary mission was the research, prototyping, testing, design, engineering, fabrication, and primary assembly of military aircraft. The facilities at NWIRP included four plants used for assembly and prototype testing, a group of quality control laboratories, two warehouse complexes (north and south), a salvage storage area, water recharge basins, the Industrial Wastewater Treatment Plant, and several smaller support buildings.

The Navy's property originally totaled 109.5 acres and was formerly a Government-Owned Contractor-Operated (GOCO) facility that was operated by Northrop Grumman (NG) until September 1998. Prior to 2002, the NWIRP property was bordered on the north, west, and south by current or former NG facilities, and on the east by a residential neighborhood. By March 2008,

approximately 100 acres of NWIRP property were transferred to Nassau County in three separate actions. The remaining 9 acres and access easements were retained by the Navy to continue remedial efforts at Installation Restoration (IR) Site 1 – Former Drum Marshalling Area and Site 4 – Former Underground Storage Tanks (Area of Concern [AOC] 22). A parcel of land connecting the two sites was also retained. Currently, the 9-acre parcel of NWIRP is bordered on the east by a residential neighborhood and on the north, south, and west by Steel Equities; however, a small portion near Sites 2 and 3 is still owned by Nassau County. Access to the NWIRP is from South Oyster Bay Road.

### 1.3 Geology and Hydrogeology

Overburden at the site consists of well over 1,000 ft of unconsolidated deposits overlying crystalline bedrock of the Hartland Formation. Overburden is divided into four geologic units: the upper Pleistocene deposits, the Magothy Formation, the clay member of the Raritan Formation ("Raritan Clay") and the Lloyd Sand member of the Raritan Formation ("Lloyd Sand") (Geraghty and Miller, 1994).

The upper Pleistocene ranges in thickness from approximately 50 to 100 ft and consists of till and outwash deposits of medium to coarse sand and gravel with lenses of fine sand, silt and clay (Smolensky and Feldman, 1990); these deposits form the Upper Glacial Aquifer. Directly underlying this unit is the Magothy Formation with a thickness of 650 to 900 ft that extends to a depth of 700 to 1,000 ft bgs, as observed at the former NWIRP and extending southeast to areas south of Southern State Parkway. Locally at VPB163, the bottom of the Magothy (top of the Raritan Clay) is encountered at approximately 973 ft bgs. The Magothy is characterized by fine to medium sands and silts interbedded with zones of clays, silty sands and sandy clays. Sand and gravel lenses are found in some areas between depths of 600 and 880 ft bgs; these deposits form the main producing zones of the Magothy Aquifer.

Investigations performed by the Navy since 2012 indicate that the bottom of the Magothy (top of the Raritan Clay) can extend to depths of 700 to greater than 1,000 ft bgs. The top of the Raritan Clay deepens to the south-southeast, as evidenced by clay depths of 1,000 ft bgs (or more) in borings installed offsite. The Raritan Clay Unit is of continental origin and consists of clay, silty clay, clayey silt, and fine silty sand. This member acts as a confining layer over the Lloyd Sand Unit. The Lloyd Sand Unit is also of continental origin, having been deposited in a large fresh water lacustrine environment. The material consists of fine to coarse-grained sands, gravel, inter-bedded clay, and silty sand. These deposits form the Lloyd Aquifer.

The Upper Glacial Aquifer and the Magothy Aquifer comprise the aquifers of interest at the NWIRP. Regionally, these formations are generally considered to form a common, interconnected aquifer as the coarse nature of each unit near their contact and the lack of any regionally confining clay unit allows for the unrestricted flow of groundwater between the formations.

The Magothy Aquifer is the major source of public water in Nassau County. The most productive water bearing zones are the discontinuous lenses of sand and gravel that occur within the siltier matrix. The major water-bearing zones are coarse sand and gravel lenses located in the lower portion of the Magothy. The Magothy Aquifer is commonly regarded to function overall as an unconfined aquifer at shallow depths and a confined aquifer at deeper depths. The drilling program at the NWIRP has revealed that clay zones beneath the facility are common but laterally discontinuous. No confining clay units of facility-wide extent have been encountered. This is also the case for borings installed offsite.

Groundwater is encountered at a depth of approximately 50 ft bgs at the facility. Historically, because of pumping and recharge at the facility, groundwater depths have been measured to range from 40 to 60 ft bgs. The groundwater flow in the area is to the south-southeast.

## 2.0 FIELD PROGRAM

Field investigation activities at VPB163 consisted of drilling, sampling, soil/groundwater analysis, geophysical logging, and surveying. Drilling during this investigation was performed by Delta Well and Pump Company of Ronkonkoma, New York. A description of these tasks is provided below.

### 2.1 Vertical Profile Borings

One vertical profile boring (VPB163) was completed during this field effort between December 4, 2015 and February 5, 2016. The total depth of VPB163 was 990 ft. The location is shown in Figure 2 and details are summarized in Table 1.

#### 2.1.1 Drilling

VPB163 was installed by setting a 10-inch diameter casing to 53.5 ft bgs and then setting an 8-inch diameter casing inside the 10-inch casing to 118 ft bgs. Finally an 8-inch diameter hole was drilled using mud rotary drilling techniques. Drilling mud consisted of potable water and polymer-free sodium bentonite or equivalent material. Drilling mud was contained and re-circulated in baffled, high capacity mud tubs. A sand separator was used intermittently to remove fines from circulation.

#### 2.1.2 Sampling

A total of seven split spoon samples were collected from ground surface to the bottom of the boring. A change in geology was observed by the field geologist at 973 ft bgs and three split spoon samples were subsequently collected to confirm the presence of the Raritan Clay. Samples were logged by the field geologist and screened for Volatile Organic Compounds (VOCs) utilizing a photoionization detector (PID). A detailed boring log for VPB163 is included in Appendix A.

Groundwater grab samples were collected every 50 ft for the first 200 ft of borehole depth. After the first 200 ft, groundwater grab samples were collected approximately every 20 ft until the boring terminated in the Raritan. Groundwater grab samples were collected with a hydropunch sampler and analyzed for VOCs using Environmental Protection Agency (EPA) Method 8260C. The groundwater grab samples were analyzed by Katahdin Analytical Services (Katahdin), a Department of Defense (DoD), Environmental Laboratory Accreditation Program (ELAP), and New York State Department of Environmental Conservation (NYSDEC)-certified laboratory. During the collection of groundwater grab samples, field parameters were measured (pH, temperature, specific conductivity, oxidation reduction potential, dissolved oxygen, and turbidity). Data validation was performed by Resolution Consultants. Groundwater grab sample logs, data validation packages, and analytical data tables are included in Appendix A.

Three groundwater grab samples collected at 278, 298 and 318 ft bgs were not analyzed due to lab errors. To capture the data at this location, groundwater grab samples were collected while drilling the monitoring well paired with VPB163 (RE129D2) at 278, 298 and 318 ft bgs. Results are included on the VPB163 Gamma and PCE/TCE plot in Appendix A. Grab sample logs, data validation and analytical data tables are included in the Resolution Report: *2016 OU2 Groundwater Investigation RE129D1, RE129D2 (VPB163) Installation Report* (Resolution Consultants, 2016).

One soil sample was collected for laboratory analysis for total organic carbon (TOC) by EPA series SW-846 method 9060A. During drilling, air sampling was conducted under a Community Air Monitoring Plan. One air sample was collected using a Summa canister and submitted for laboratory analysis by EPA Method TO-15. All analyses were performed or sub-contracted by Katahdin. Data validation of both TOC and air data was performed by Resolution Consultants. Data validation packages and analytical data tables are included in Appendix A.

### 2.1.3 Geophysics

Borehole geophysical logs (gamma) were recorded after the borehole was drilled but prior to the removal of drill rods. A Mount Sopris Instrument model 2PGA-100 poly gamma was used. Starting at the top of the hole, the probe was advanced at a maximum rate of 12 ft per minute. A copy of the log was printed in the field for review once the probe reached the bottom of the borehole. The instrument was then raised to the top of the boring and a second log was generated and printed in the field. The down hole gamma log sheets and plots comparing the gamma log with trichloroethene (TCE) and tetrachloroethene (PCE) concentrations from hydropunch samples are included in Appendix A.

## 2.2 Decontamination and Investigation Derived Waste (IDW)

Resolution Consultants utilized dedicated and disposable sampling equipment when possible to avoid the potential for cross-contamination of samples. The sampling equipment included dedicated plastic scoops, disposable Teflon or polyethylene tubing, disposable gloves, and laboratory supplied sample bottles. Hand held equipment, split spoons, and the hydropunch were decontaminated using Liquinox and water wash, a potable water rinse, followed by a distilled water rinse. Water was collected in 5-gallon pails or 55-gallon drums.

As part of the IDW management practices and in accordance with the SAP, the investigation waste (consisting of soil cuttings, drilling muds, IDW fluids, and personal protective equipment [PPE]) generated during the boring installation was containerized and staged at NWIRP Bethpage. IDW

solids were characterized and disposed of properly. Representative samples from each roll off were submitted to Katahdin for analysis of:

- Target Compound List (TCL) VOCs
- TCL Semi-volatile Organic Compounds (SVOCs)
- Toxicity Characteristic Leaching Procedure (TCLP) Metals
- Polychlorinated Biphenyls (PCBs)
- Total petroleum hydrocarbons
- Corrosivity
- Ignitability
- Reactive Cyanide
- Reactive Sulfide
- Paint Filter

IDW water was containerized in frac tanks and stored at NWIRP Bethpage for characterization and ultimate disposal to the Publicly Owned Treatment Works (POTW), in accordance with the facilities existing discharge permit. A representative water sample was collected from each frac tank and submitted to Katahdin for analysis of VOCs via Method SW 624, pH via Method SW 9040B, PCBs via Method 8082 and Total Metals via Method SW 846. To the extent feasible, soil and water were not mixed. All analytical criteria were met for disposal of soil and water.

## 2.3 Surveying

A survey of the boring location was conducted at the end of fieldwork by C. T. Male, Inc., of Latham, NY, under the direct supervision of Resolution Consultants. The location was tied into the existing base map developed for this investigation. The survey elevation is referenced to the North American Vertical Datum (NAVD) 1988 and has a vertical accuracy of 0.01 foot. Vertical control is based on observations of the Continuously Operating Reference (COR) Stations Queens and Central Islip. The horizontal location is referenced to the North American Datum (NAD) 1983 (2011) N.Y. Long Island Zone 3104 and has an accuracy of 0.1 foot. Local horizontal and vertical control is based on Global Positioning System (GPS) observations using the NYS Net Real Time Network.

A table of survey data (ground, latitude/longitude and northing/easting) and a survey map is included in Appendix A.

### **3.0 REFERENCES**

Geraghty and Miller, Inc., 1994. *Remedial Investigation Report, Grumman Aerospace Corporation, Bethpage, New York*. Revised September 1994.

Naval Facilities Engineering Command (NAVFAC), 2003. *Record of Decision Naval Weapons Industrial Reserve Plant Bethpage, New York, Operable Unit 2 – Groundwater*, NYS Registry: 1-30-003B. April.

Resolution Consultants, 2016. *2016 OU2 Groundwater Investigation RE129D1, RE129D2 (VPB163) Installation Report*. NWIRP, Bethpage, New York. September.

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Resolution Consultants, 2013b. *UFP SAP Addendum, Installation of Vertical Profile Borings and Monitoring Wells*. NWIRP, Bethpage, New York. December.

Smolensky, D., and Feldman, S., 1990. *Geohydrology of the Bethpage-Hicksville-Levittown Area, Long Island, New York*, U.S. Geological Survey Water-Resourced Investigations Report 88-4135, 25 pp.

*Data Summary Report*

*VPB163*

*NWIRP Bethpage, NY*

*September 2016*

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## Tables

**TABLE 1**  
**VERTICAL PROFILE BORING SUMMARY**  
**2015-2016 OU2 GROUNDWATER INVESTIGATION**  
**NWIRP BETHPAGE, NY**

*September 2016*

BORING	BORING START DATE	BORING COMPLETION DATE	GROUND ELEVATION (MSL)	TOTAL DEPTH (ft bgs)	*SURFACE CASING SET AT (ft bgs)	NO. OF SPOON SAMPLES	GAMMA LOG (ft bgs)	**NO. GW SAMPLES COLLECTED/ DUPLICATES/ ATTEMPTED	TOC SAMPLE DEPTH (ft bgs)	DATE OF AIR SAMPLE	MONITORING WELLS INSTALLED AT LOCATION
VPB163	12/4/2015	2/5/2016	53.94	990	53.5	7	988	38/2/7	223-225	1/7/2016	RE129D1, RE129D2

MSL - mean sea level

ft bgs - feet below ground surface

GW - Groundwater

TOC - Total Organic Carbon

\*8-inch casing installed to 118 feet inside 10-inch casing

*Data Summary Report*

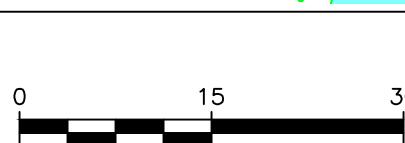
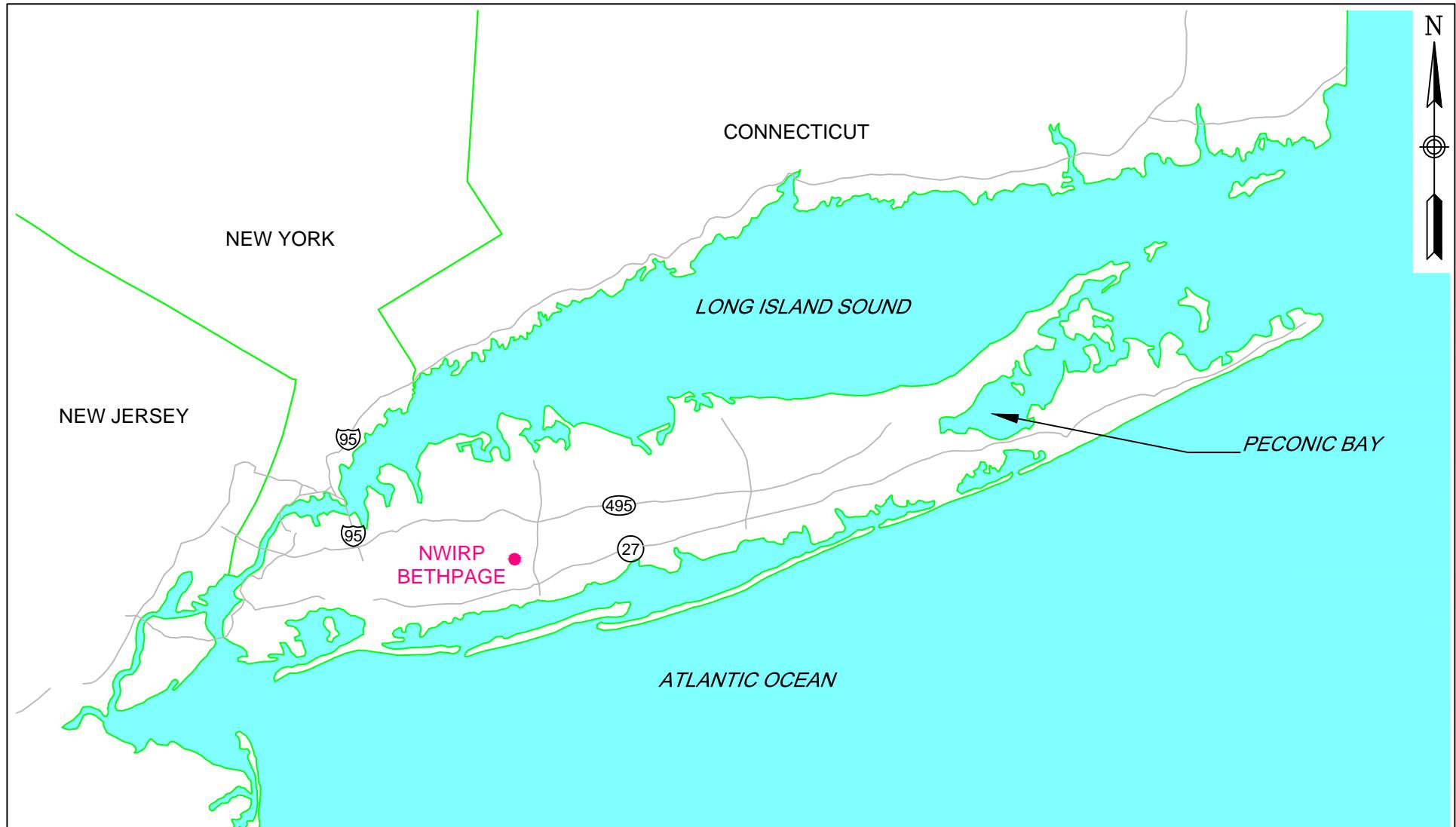
*VPB163*

*NWIRP Bethpage, NY*

*September 2016*

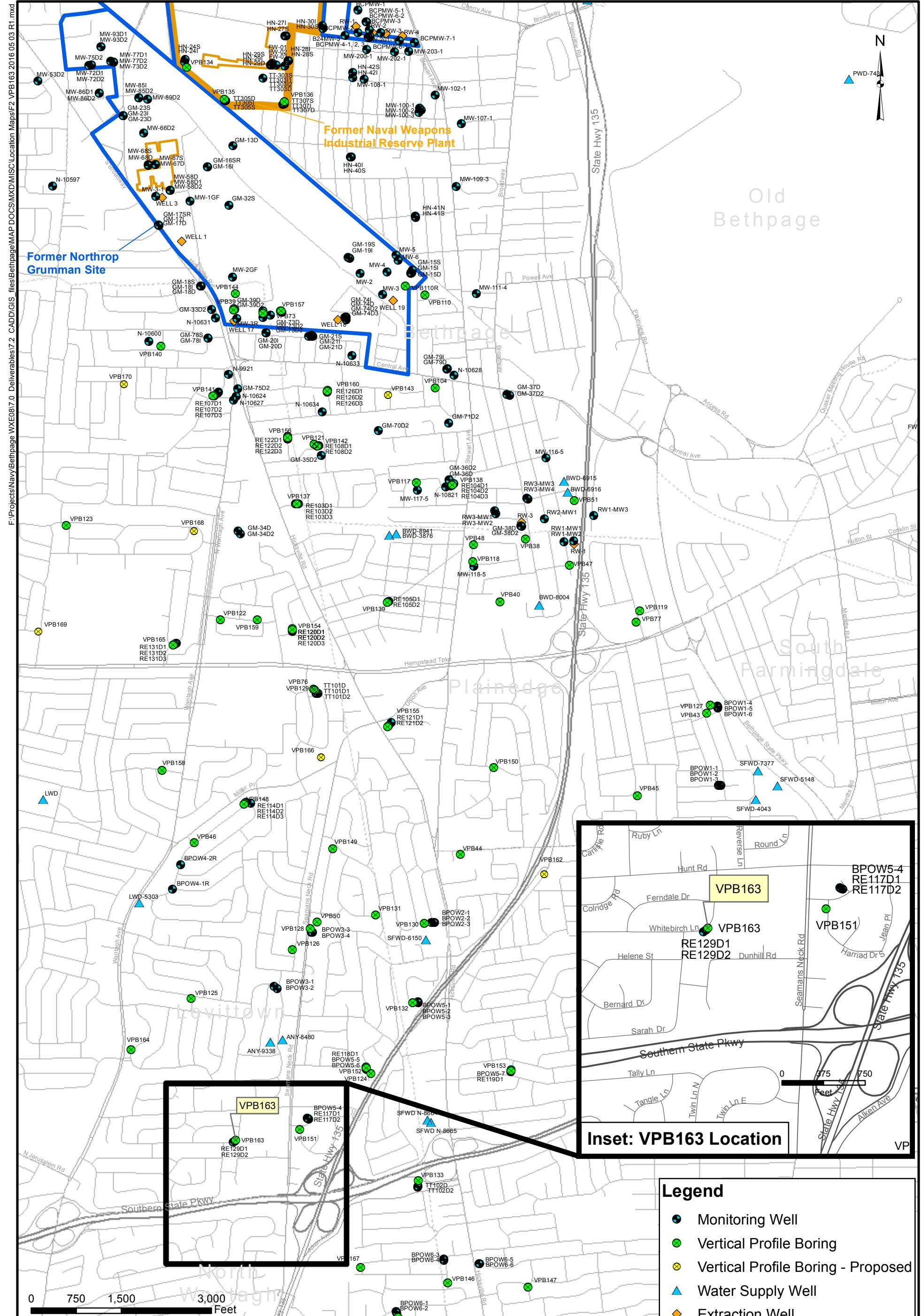
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## Figures



GENERAL LOCATION MAP  
NWIRP BETHPAGE  
BETHPAGE, NEW YORK

CONTRACT NUMBER N62470-11-D-8013	CTO NUMBER WE15
APPROVED BY --	DATE --
APPROVED BY --	DATE --
FIGURE NO. 1	REV 0



VPB163 LOCATION MAP  
NAVAL WEAPONS INDUSTRIAL RESERVE PLANT  
BETHPAGE, NEW YORK



CONTRACT NUMBER	N62470-11-D-0813	CTO NUMBER	WE15
APPROVED BY	PS	DATE	5/3/2016
APPROVED BY	—	DATE	—
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REV			0

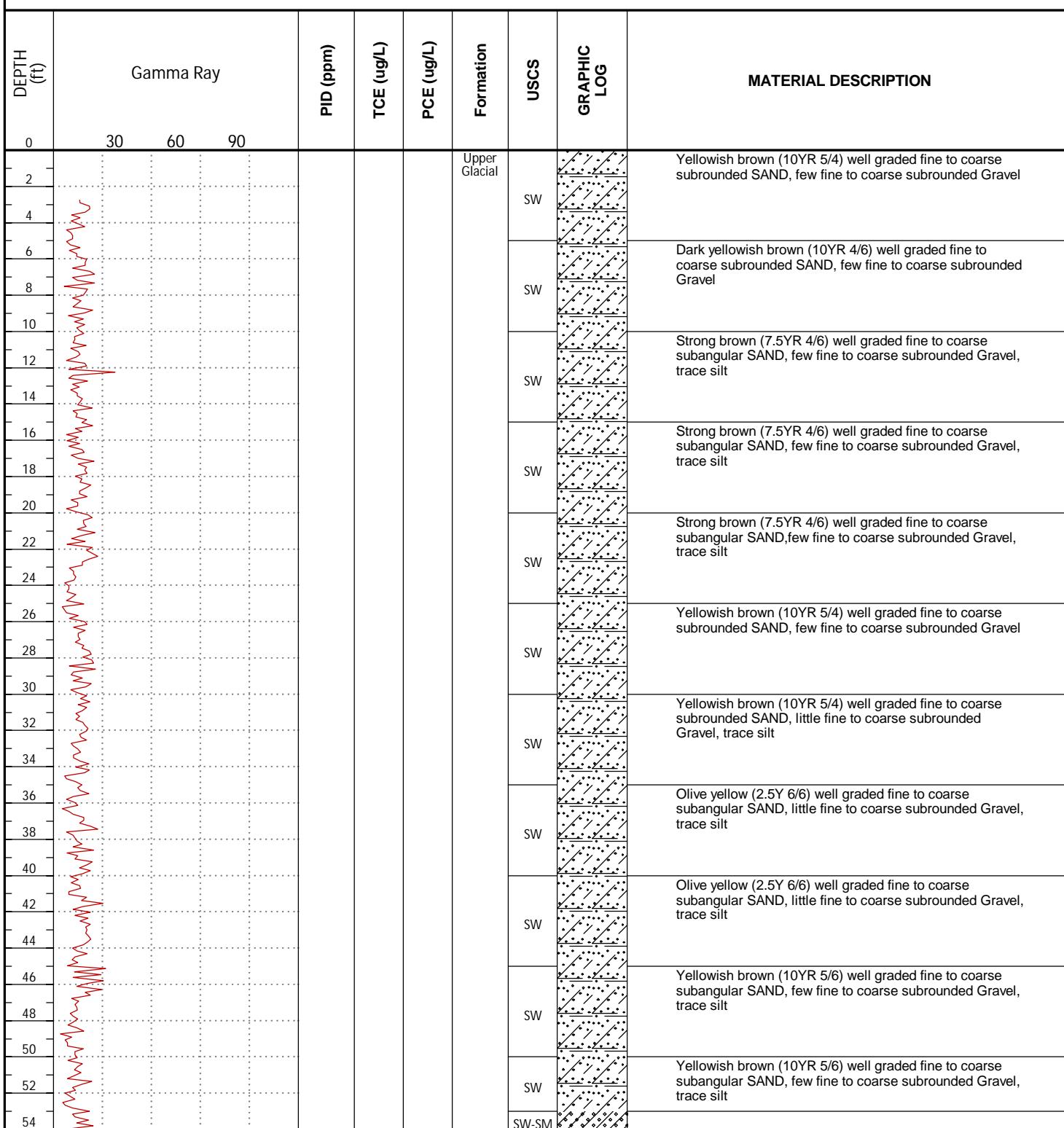
## Appendix A

VPB163

Section 1  
VPB163 Boring and Gamma Logs

Client: Department of the Navy, Naval Facilities Engineering Command, Mid-Atlantic						Logged By: G. Hicks		
Location: White Birch Ln & Sarah Dr, Town of Hempstead, NY		Northing: 196103.89		Easting: 1124117.34		Drilling Company: Delta Well & Pump		
Project #: 60266526		Ground Elevation (ft amsl): 54.94				Well Screen Interval (ft): NA		
Start Date: 12/4/2015		Drilling Method: Auger (0-50' bgs) Mud Rotary (>50' bgs)				Water Level (ft): NA		
Finish Date: 2/5/2016						Total Depth (ft): 990.0		

Mud Rotary Drilling Note: Unless denoted by a splitspoon sample (indicated by the presence of a PID reading), boundaries between strata are approximate and may be transitional because they are based on screened wash samples collected during mud rotary drilling at 5 ft. intervals.



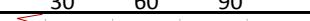
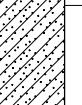
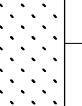
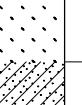
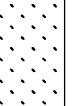
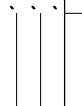
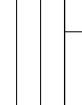
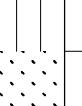
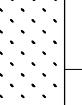
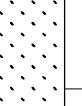
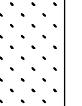
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DEPTH (ft)	Gamma Ray	PID (ppm)	TCE (ug/L)	PCE (ug/L)	Formation	USCS	GRAPHIC LOG	MATERIAL DESCRIPTION
54	30 60 90							
56					Upper Glacial	SW-SM		Brownish yellow (10YR 6/8) well graded fine to coarse subangular SAND with Silt (continued)
58			<0.50	0.64		SW		Brownish yellow (10YR 6/8) well graded fine to coarse subangular SAND, few subrounded Gravel, trace silt
60						GP		Brownish yellow (10YR 6/8) poorly graded fine subrounded GRAVEL, few fine Sand, trace silt
62						SM		Yellowish brown (10YR 5/4) Silty well graded fine to coarse subangular SAND, trace fine subrounded gravel
64						SM		Yellowish brown (10YR 5/4) Silty well graded fine to coarse subangular SAND, trace fine subrounded gravel
66						GM		Brownish yellow (10YR 6/6) Silty fine subrounded Gravel, trace iron nodules
68						SW		Brownish yellow (10YR 6/6) well graded fine to coarse subangular SAND, little Lignite, few subrounded fine gravel
70						SW-SC		Brownish yellow (10YR 6/6) well graded fine to medium subangular SAND with medium stiff fat Clay, trace silt, trace fine subangular gravel, trace iron nodules
72						SW-SC		Brownish yellow (10YR 6/6) well graded fine to medium subangular SAND with medium stiff fat Clay, few lignite, trace silt, trace fine subangular gravel
74						CH		Very dark gray (5Y 3/1) Silty soft fat CLAY, trace fine subrounded gravel, trace iron nodules, trace pyrite
76						CH		Very dark gray (5Y 3/1) Silty soft fat CLAY, trace fine subrounded gravel, trace iron nodules, trace muscovite
78						CH		Very dark gray (5Y 3/1) Silty soft fat CLAY, few lignite, trace fine subrounded gravel, trace iron nodules
80						SW-SC		Brownish yellow (10YR 6/6) well graded fine to medium subangular SAND with medium stiff fat Clay, few lignite, trace silt, trace fine subangular gravel
82								
84								
86								
88								
90								
92								
94								
96								
98								
100								
102								
104								
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110								
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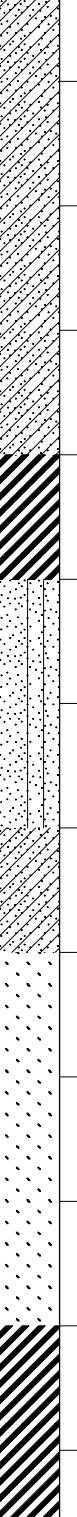
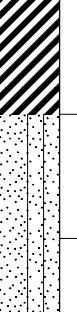
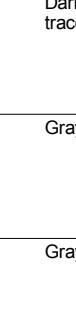
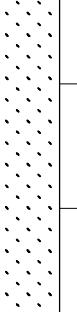
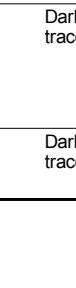
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DEPTH (ft)	Gamma Ray	PID (ppm)	TCE (ug/L)	PCE (ug/L)	Formation	USCS	GRAPHIC LOG	MATERIAL DESCRIPTION	
116	30 60 90		<0.50	1.7	Magothy	SW-SC			
118								Yellowish brown (10YR 5/4) poorly graded fine SAND, trace medium stiff fat Clay	
120								Yellowish brown (10YR 5/4) poorly graded fine SAND, trace medium stiff fat Clay	
122								Light yellowish brown (10YR 6/4) well graded fine to coarse subangular SAND with medium stiff fat Clay, trace silt	
124								Light yellowish brown (10YR 6/4) well graded fine to coarse subangular SAND with medium stiff fat Clay, trace silt	
126								Dark gray (10YR 4/1) fine Sandy fat medium stiff CLAY, trace silt	
128								Dark gray (10YR 4/1) fine Sandy fat medium stiff CLAY, trace silt	
130								Light yellowish brown (10YR 6/4) soft fat Clayey well graded fine to coarse subangular SAND, trace silt, trace fine gravel	
132								Light yellowish brown (10YR 6/4) soft fat Clayey well graded fine to coarse subangular SAND, trace silt, trace fine gravel	
134								Light yellowish brown (10YR 6/4) soft fat Clayey well graded fine to coarse subangular SAND, trace silt, trace fine gravel	
136								Light yellowish brown (10YR 6/4) soft fat Clayey well graded fine to coarse subangular SAND, trace silt, trace fine gravel	
138								Light yellowish brown (10YR 6/4) soft fat Clayey well graded fine to coarse subangular SAND, trace silt, trace fine gravel	
140								Light yellowish brown (10YR 6/4) soft fat Clayey well graded fine to coarse subangular SAND, trace silt, trace fine gravel	
142								Light yellowish brown (10YR 6/4) soft fat Clayey well graded fine to coarse subangular SAND, trace silt, trace fine gravel	
144								Light yellowish brown (10YR 6/4) soft fat Clayey well graded fine to coarse subangular SAND, trace silt, trace fine gravel	
146								Light yellowish brown (10YR 6/4) soft fat Clayey well graded fine to coarse subangular SAND, trace silt, trace fine gravel	
148								Light yellowish brown (10YR 6/4) soft fat Clayey well graded fine to coarse subangular SAND, trace silt, trace fine gravel	
150								Light yellowish brown (10YR 6/4) soft fat Clayey well graded fine to coarse subangular SAND, trace silt, trace fine gravel	
152								Light yellowish brown (10YR 6/4) soft fat Clayey well graded fine to coarse subangular SAND, trace silt, trace fine gravel	
154								Light yellowish brown (10YR 6/4) soft fat Clayey well graded fine to coarse subangular SAND, trace silt, trace fine gravel	
156								Light yellowish brown (10YR 6/4) soft fat Clayey well graded fine to coarse subangular SAND, trace silt, trace fine gravel	
158								Light yellowish brown (10YR 6/4) soft fat Clayey well graded fine to coarse subangular SAND, trace silt, trace fine gravel	
160								Light yellowish brown (10YR 6/4) soft fat Clayey well graded fine to coarse subangular SAND, trace silt, trace fine gravel	
162								Light yellowish brown (10YR 6/4) soft fat Clayey well graded fine to coarse subangular SAND, trace silt, trace fine gravel	
164								Light yellowish brown (10YR 6/4) soft fat Clayey well graded fine to coarse subangular SAND, trace silt, trace fine gravel	
166								Light yellowish brown (10YR 6/4) soft fat Clayey well graded fine to coarse subangular SAND, trace silt, trace fine gravel	
168								Light yellowish brown (10YR 6/4) soft fat Clayey well graded fine to coarse subangular SAND, trace silt, trace fine gravel	
170								Light yellowish brown (10YR 6/4) soft fat Clayey well graded fine to coarse subangular SAND, trace silt, trace fine gravel	
172								Light yellowish brown (10YR 6/4) soft fat Clayey well graded fine to coarse subangular SAND, trace silt, trace fine gravel	
174								Light yellowish brown (10YR 6/4) soft fat Clayey well graded fine to coarse subangular SAND, trace silt, trace fine gravel	
176								Light yellowish brown (10YR 6/4) soft fat Clayey well graded fine to coarse subangular SAND, trace silt, trace fine gravel	

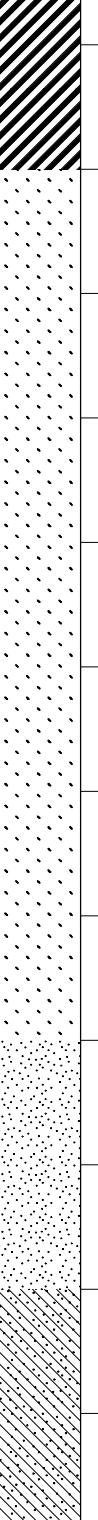
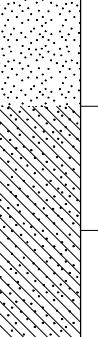
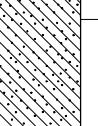
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DEPTH (ft)	Gamma Ray	PID (ppm)	TCE (ug/L)	PCE (ug/L)	Formation	USCS	GRAPHIC LOG	MATERIAL DESCRIPTION
178					Magothy	SC		Light yellowish brown (10YR 6/4) soft fat Clayey well graded fine to coarse subangular SAND, trace silt, trace fine subrounded gravel
180						SM		Dark gray (10YR 4/1) Silty fine SAND, trace fine subrounded gravel
182						SM		Dark gray (10YR 4/1) Silty fine SAND, trace fine subrounded gravel
184						SC		Light yellowish brown (10YR 6/4) soft fat Clayey well graded fine to coarse SAND, trace silt
186						SW-SM		Black (2.5Y 2.5/1) Silty well graded fine to medium SAND, few lignite
188						SM		Dark gray (2.5Y 4/1) Silty fine SAND, few lignite, trace fine subrounded gravel
190						ML		Black (2.5Y 2.5/1) fine Sandy SILT, few lignite, trace soft fat clay, trace muscovite
192						ML		Black (2.5Y 2.5/1) fine Sandy SILT, few lignite, trace soft fat clay
194						SM		Olive gray (5Y 5/2) Silty poorly graded fine SAND, trace muscovite, trace soft fat clay
196						SM		Dark grayish brown (10YR 4/2) Silty poorly graded fine SAND, trace muscovite, trace lignite
200		<0.50	<0.50			SM		Light brownish gray (10YR 6/2) Silty fine SAND
202						SM		Light brownish gray (10YR 6/2) Silty fine SAND
204						SC		
206								
208								
210								
212								
214								
216								
218								
220								
222								
224		0.0						
226								
228								
230								
232								
234								
236								
238								

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DEPTH (ft)	Gamma Ray	PID (ppm)	TCE (ug/L)	PCE (ug/L)	Formation	USCS	GRAPHIC LOG	MATERIAL DESCRIPTION		
								30	60	90
240			<0.50	<0.50	Magothy	SC		Light brownish gray (10YR 6/2) soft fat Clayey fine to medium subangular SAND, trace silt (continued)		
242								Light brownish gray (10YR 6/2) soft fat Clayey fine to medium subangular SAND, trace silt		
244								Light brownish gray (10YR 6/2) soft fat Clayey fine to medium subangular SAND, trace silt		
246								Light brownish gray (10YR 6/2) soft fat Clayey fine to medium subangular SAND, trace silt		
248								Light brownish gray (10YR 6/2) soft fat Clayey fine to medium subangular SAND, trace silt		
250								Light brownish gray (10YR 6/2) soft fat Clayey fine to medium subangular SAND, trace silt		
252								Light brownish gray (10YR 6/2) soft fat Clayey fine to medium subangular SAND, trace silt		
254								Light brownish gray (10YR 6/2) soft fat Clayey fine to medium subangular SAND, trace silt		
256								Dark gray (2.5Y 4/1) fine Sandy soft fat CLAY, trace lignite, trace muscovite		
258			<0.50	<0.50				Dark gray (2.5Y 4/1) fine Sandy soft fat CLAY, trace lignite, trace muscovite		
260					CH			Gray (7.5YR 5/1) Silty fine SAND, trace soft fat clay		
262								Gray (7.5YR 5/1) Silty fine SAND		
264								Gray (7.5YR 5/1) Silty fine SAND		
266								Gray (2.5Y 5/1) medium stiff fat Clayey fine to medium subangular SAND, few lignite, trace iron nodules		
268					SC			Gray (2.5Y 5/1) medium stiff fat Clayey fine to medium subangular SAND, few lignite, trace iron nodules		
270								Grayish brown (10YR 4/2) Silty fine SAND, trace lignite		
272								Grayish brown (10YR 4/2) Silty fine SAND, trace lignite		
274								Grayish brown (10YR 4/2) Silty fine SAND, trace lignite		
276					SM			Grayish brown (10YR 4/2) Silty fine SAND, trace lignite		
278								Grayish brown (10YR 4/2) Silty fine SAND, trace lignite		
280								Grayish brown (10YR 4/2) Silty fine SAND, trace lignite		
282								Grayish brown (10YR 4/2) Silty fine SAND, trace lignite		
284					SM			Dark gray (2.5Y 4/1) fine Sandy soft fat CLAY, trace lignite, trace muscovite		
286								Dark gray (2.5Y 4/1) fine Sandy soft fat CLAY, trace lignite, trace muscovite		
288								Dark gray (2.5Y 4/1) fine Sandy soft fat CLAY, trace lignite, trace muscovite		
290								Dark gray (2.5Y 4/1) fine Sandy soft fat CLAY, trace lignite, trace muscovite		
292					CH			Dark gray (2.5Y 4/1) fine Sandy soft fat CLAY, trace lignite, trace muscovite		
294								Dark gray (2.5Y 4/1) fine Sandy soft fat CLAY, trace lignite, trace muscovite		
296								Dark gray (2.5Y 4/1) fine Sandy soft fat CLAY, trace lignite, trace muscovite		
298								Dark gray (2.5Y 4/1) fine Sandy soft fat CLAY, trace lignite, trace muscovite		
300								Dark gray (2.5Y 4/1) fine Sandy soft fat CLAY, trace lignite, trace muscovite		

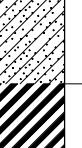
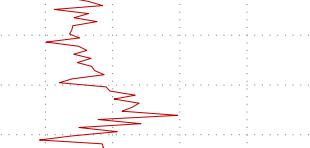
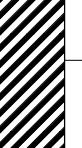
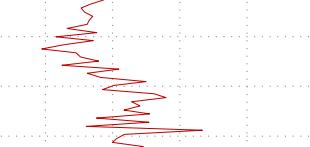
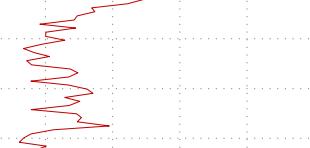
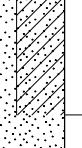
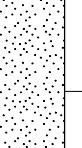
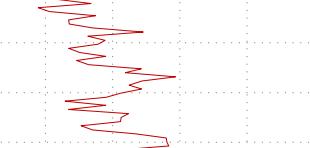
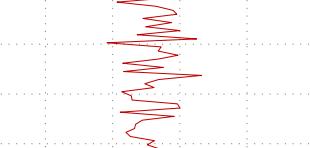
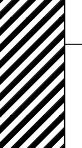
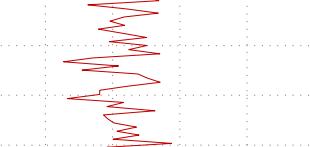
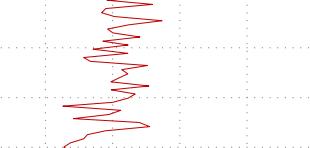
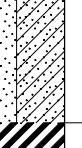
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DEPTH (ft)	Gamma Ray	PID (ppm)	TCE (ug/L)	PCE (ug/L)	Formation	USCS	GRAPHIC LOG	MATERIAL DESCRIPTION
								30      60      90
302					Magothy	CH		Dark gray (2.5Y 4/1) fine Sandy soft fat CLAY, trace lignite, trace muscovite (continued)
304						CH		Dark gray (2.5Y 4/1) fine Sandy soft fat CLAY, trace lignite, trace muscovite
306						SM		Grayish brown (10YR 4/2) Silty fine SAND, trace lignite
308						SM		Grayish brown (10YR 4/2) Silty fine SAND, trace lignite
310						SM		Grayish brown (10YR 4/2) Silty fine SAND, trace lignite
312						SM		Grayish brown (10YR 4/2) Silty fine SAND, trace lignite
314						SM		Grayish brown (10YR 4/2) Silty fine to medium SAND, trace lignite
316						SM		Grayish brown (10YR 4/2) Silty fine to medium SAND, trace lignite
318						SM		Grayish brown (10YR 4/2) Silty fine to medium SAND, trace lignite
320						SM		Grayish brown (10YR 4/2) Silty fine to medium SAND, trace lignite
322						SM		Grayish brown (10YR 4/2) Silty fine to medium SAND, trace lignite
324						SM		Grayish brown (10YR 4/2) Silty fine to medium SAND, trace lignite
326						SM		Grayish brown (10YR 4/2) Silty fine to medium SAND, trace lignite
328						SM		Grayish brown (10YR 4/2) Silty fine to medium SAND, trace lignite
330						SM		Grayish brown (10YR 4/2) Silty fine to medium SAND, trace lignite
332					SPSC	SP		Grayish brown (2.5Y 5/2) poorly graded fine subangular SAND, trace soft fat clay, trace muscovite
334						SP		Grayish brown (2.5Y 5/2) poorly graded fine subangular SAND, trace soft fat clay, trace muscovite
336						SP		Grayish brown (2.5Y 5/2) poorly graded fine subangular SAND, trace soft fat clay, trace muscovite
338						SP		Grayish brown (2.5Y 5/2) poorly graded fine subangular SAND, trace soft fat clay, trace muscovite
340					SPSC	SP		Gray (5Y 6/1) poorly graded fine subangular SAND with medium stiff fat Clay
342						SP		Gray (5Y 6/1) poorly graded fine subangular SAND with medium stiff fat Clay
344					SPSC	SP		Gray (5Y 6/1) poorly graded fine subangular SAND with medium stiff fat Clay
346						SP		Gray (5Y 6/1) poorly graded fine subangular SAND with medium stiff fat Clay
348					SPSC	SP		Gray (5Y 6/1) poorly graded fine subangular SAND with medium stiff fat Clay
350						SP		Gray (5Y 6/1) poorly graded fine subangular SAND with medium stiff fat Clay
352					SPSC	SP		Gray (5Y 6/1) poorly graded fine subangular SAND with medium stiff fat Clay
354						SP		Gray (5Y 6/1) poorly graded fine subangular SAND with medium stiff fat Clay
356					SPSC	SP		Gray (5Y 6/1) poorly graded fine subangular SAND with medium stiff fat Clay
358						SP		Gray (5Y 6/1) poorly graded fine subangular SAND with medium stiff fat Clay
360					SPSC	SP		Gray (5Y 6/1) poorly graded fine subangular SAND with medium stiff fat Clay
362						SP		Gray (5Y 6/1) poorly graded fine subangular SAND with medium stiff fat Clay

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DEPTH (ft)	Gamma Ray	PID (ppm)	TCE (ug/L)	PCE (ug/L)	Formation	USCS	GRAPHIC LOG	MATERIAL DESCRIPTION
								30      60      90
364					Magothy	SPSC		Gray (5Y 6/1) poorly graded fine subangular SAND with medium stiff fat Clay
366						SPSC		Gray (5Y 6/1) poorly graded fine subangular SAND with medium stiff fat Clay
368						SPSC		Gray (5Y 6/1) poorly graded fine subangular SAND with medium stiff fat Clay
370						SPSC		Gray (5Y 6/1) poorly graded fine subangular SAND with medium stiff fat Clay
372						SPSC		Gray (5Y 6/1) poorly graded fine subangular SAND with medium stiff fat Clay
374						SPSC		Gray (5Y 6/1) poorly graded fine subangular SAND with medium stiff fat Clay
376						SPSC		Gray (5Y 6/1) poorly graded fine subangular SAND with medium stiff fat Clay
378						SPSC		Gray (5Y 6/1) poorly graded fine subangular SAND with medium stiff fat Clay
380						SPSC		Gray (5Y 6/1) poorly graded fine subangular SAND with medium stiff fat Clay
382						CH		Light gray (5Y 7/1) fine Sandy stiff fat CLAY, trace lignite
384						CH		Light gray (5Y 7/1) fine Sandy stiff fat CLAY, trace lignite
386						CH		Light gray (5Y 7/1) fine Sandy stiff fat CLAY, trace lignite
388						CH		Light gray (5Y 7/1) fine Sandy stiff fat CLAY, trace lignite
390						SC		Gray (2.5Y 5/1) soft fat Clayey fine subangular SAND, trace lignite
392						ML		Gray (2.5Y 5/1) fine Sandy SILT
394						CH		Dark gray (5Y 4/1) fine Sandy stiff fat CLAY, few muscovite, trace lignite
396						CH		Dark gray (5Y 4/1) fine Sandy stiff fat CLAY, few muscovite, trace lignite
398						SC		Light gray (5Y 7/1) stiff Clayey fine subangular SAND
400						SC		Light gray (5Y 7/1) stiff Clayey fine subangular SAND
402						SC		Light gray (5Y 7/1) stiff Clayey fine subangular SAND
404						SC		Light gray (5Y 7/1) stiff Clayey fine subangular SAND
406						SC		Light gray (5Y 7/1) stiff Clayey fine subangular SAND
408						SC		Light gray (5Y 7/1) stiff Clayey fine subangular SAND
410						SC		Light gray (5Y 7/1) stiff Clayey fine subangular SAND
412						SC		Light gray (5Y 7/1) stiff Clayey fine subangular SAND
414						SC		Light gray (5Y 7/1) stiff Clayey fine subangular SAND
416						SC		Light gray (5Y 7/1) stiff Clayey fine subangular SAND
418						SC		Light gray (5Y 7/1) stiff Clayey fine subangular SAND
420						SC		Light gray (5Y 7/1) stiff Clayey fine subangular SAND
422						SC		Light gray (5Y 7/1) stiff Clayey fine subangular SAND
424						SC		Light gray (5Y 7/1) stiff Clayey fine subangular SAND

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DEPTH (ft)	Gamma Ray	PID (ppm)	TCE (ug/L)	PCE (ug/L)	Formation	USCS	GRAPHIC LOG	MATERIAL DESCRIPTION
30	30							
60	60							
90	90							
426					Magothy	SC		Light gray (5Y 7/1) stiff Clayey fine subangular SAND <i>(continued)</i>
428						CH		Gray (5Y 5/1) fine subangular Sandy soft fat CLAY, trace lignite
430						CH		Gray (5Y 5/1) fine subangular Sandy soft fat CLAY, trace lignite
432						SP-SC		Grayish brown (2.5Y 5/2) fine subangular SAND with soft fat Clay, trace lignite
434						SP-SC		Grayish brown (2.5Y 5/2) fine subangular SAND with soft fat Clay, trace lignite
436						SP		Grayish brown (2.5Y 5/2) fine subangular SAND with soft fat clay
438						SP		Grayish brown (2.5Y 5/2) fine subangular SAND with soft fat clay
440						CH		Grayish brown (2.5Y 5/2) fine Sandy soft fat CLAY, trace lignite
442						CH		Grayish brown (2.5Y 5/2) fine Sandy soft fat CLAY, trace lignite
444						SP-SC		Grayish brown (2.5Y 5/2) fine subangular SAND with soft fat clay, few silt
446						CH		Gray (Gley1 6/N) poorly graded fine subangular SAND with soft fat Clay, few silt
448						CH		Gray (2.5Y 5/1) stiff fat CLAY, few fine subangular Sand, trace silt
450								
452								
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DEPTH (ft)	Gamma Ray	PID (ppm)	TCE (ug/L)	PCE (ug/L)	Formation	USCS	GRAPHIC LOG	MATERIAL DESCRIPTION
486	30 60 90							
488						CH		Gray (2.5Y 5/1) stiff fat CLAY, few fine subangular Sand, trace silt (continued)
490						SP-SC		Gray (Gley1 6/N) poorly graded fine subangular SAND with soft fat Clay, few silt
492						SP-SC		Gray (Gley1 6/N) poorly graded fine subangular SAND with soft fat Clay, few silt
494						SP-SC		Gray (Gley1 6/N) poorly graded fine subangular SAND with soft fat Clay, few silt
496						SP-SC		Gray (Gley1 6/N) poorly graded fine subangular SAND with soft fat Clay, few silt
498						SP-SC		Gray (Gley1 6/N) poorly graded fine subangular SAND with soft fat Clay, few silt
500						SP-SC		Gray (Gley1 6/N) poorly graded fine subangular SAND with soft fat Clay, few silt
502						SP-SC		Gray (Gley1 6/N) poorly graded fine subangular SAND with soft fat Clay, few silt
504						SP-SC		Gray (Gley1 6/N) poorly graded fine subangular SAND with soft fat Clay, few silt
506						SP-SC		Gray (Gley1 6/N) fine Sandy stiff fat CLAY, trace silt
508						CH		Gray (Gley1 6/N) fine Sandy stiff fat CLAY, trace silt
510						CH		Dark gray (5Y 4/1) fine Sandy SILT, trace soft fat clay
512						SP-SC		Gray (10YR 5/1) poorly graded fine SAND with soft fat Clay, trace silt
514						SP-SC		Gray (10YR 5/1) poorly graded fine SAND with soft fat Clay, trace silt
516						ML		Gray (10YR 5/1) poorly graded fine SAND with soft fat Clay, trace silt
518						SP-SC		Gray (10YR 5/1) poorly graded fine SAND with soft fat Clay, trace silt
520						SP-SC		Gray (10YR 5/1) poorly graded fine SAND with soft fat Clay, trace silt
522						SP-SC		Gray (10YR 5/1) poorly graded fine SAND with soft fat Clay, trace silt
524						SP-SC		Gray (10YR 5/1) poorly graded fine SAND with soft fat Clay, trace silt
526						SP-SC		Gray (10YR 5/1) poorly graded fine SAND with soft fat Clay, trace silt
528						SP-SC		Gray (10YR 5/1) poorly graded fine SAND with soft fat Clay, trace silt
530						SP-SC		Gray (10YR 5/1) poorly graded fine SAND with soft fat Clay, trace silt
532						SP-SC		Gray (10YR 5/1) poorly graded fine SAND with soft fat Clay, trace silt
534						SP-SC		Gray (10YR 5/1) poorly graded fine SAND with soft fat Clay, trace silt
536						SP-SC		Gray (10YR 5/1) poorly graded fine SAND with soft fat Clay, trace silt
538						SP-SC		Gray (10YR 5/1) poorly graded fine SAND with soft fat Clay, trace silt
540						SP-SC		Gray (10YR 5/1) poorly graded fine SAND with soft fat Clay, trace silt
542						SP-SC		Gray (10YR 5/1) poorly graded fine SAND with soft fat Clay, trace silt
544						SP-SC		Gray (10YR 5/1) poorly graded fine SAND with soft fat Clay, trace silt
546						SP-SC		Gray (10YR 5/1) poorly graded fine SAND with soft fat Clay, trace silt

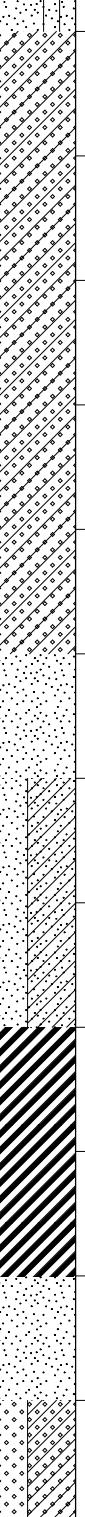
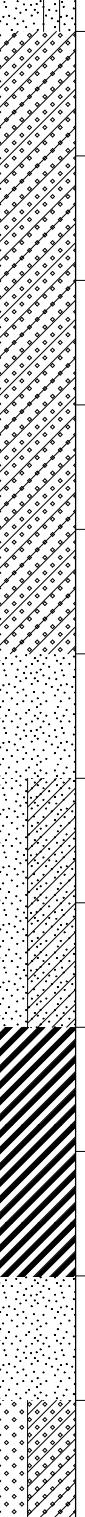
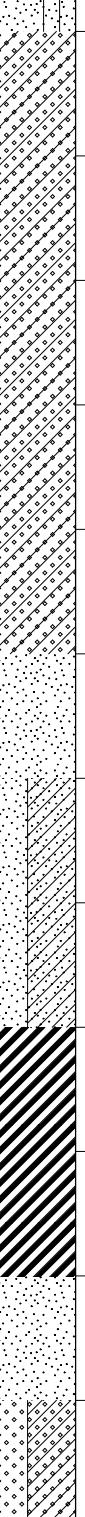
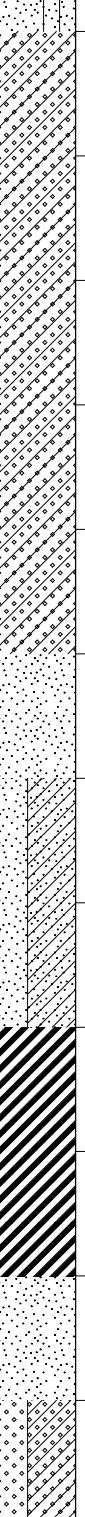
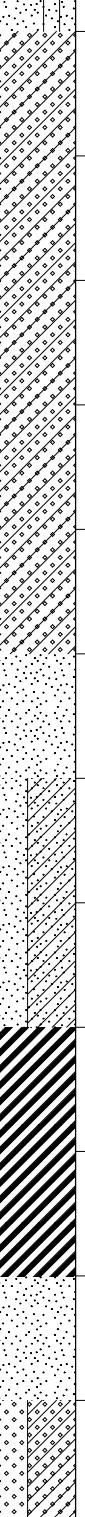
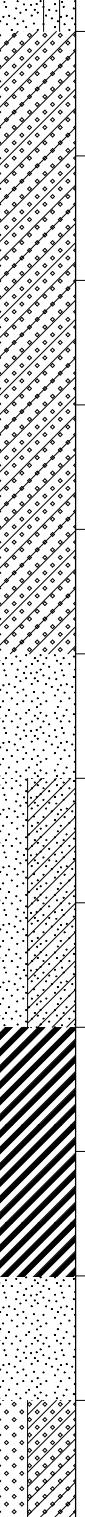
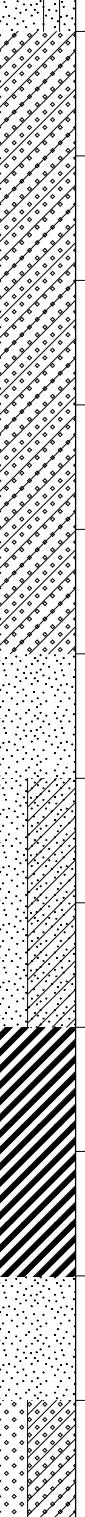
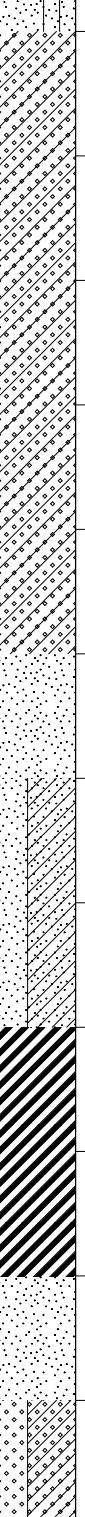
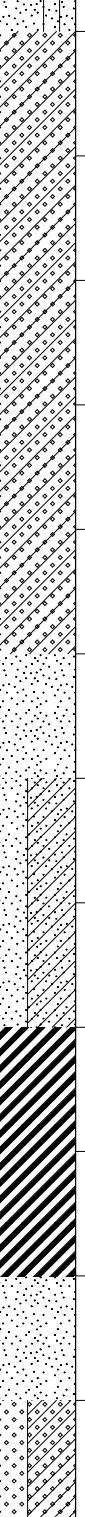
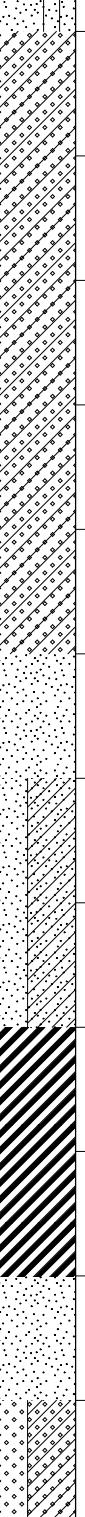
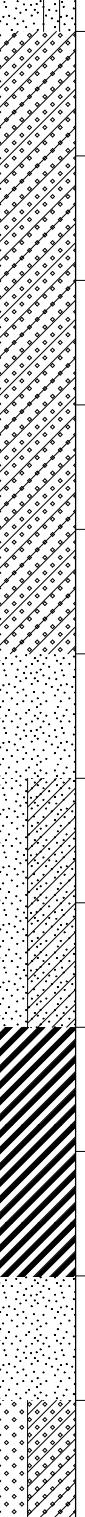
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DEPTH (ft)	Gamma Ray	PID (ppm)	TCE (ug/L)	PCE (ug/L)	Formation	USCS	GRAPHIC LOG	MATERIAL DESCRIPTION
548	30 60 90				Magothy			
550						SP-SC		Gray (10YR 5/1) poorly graded fine SAND with soft fat Clay, trace silt
552						SP-SC		Gray (10YR 5/1) poorly graded fine SAND with soft fat Clay, trace silt
554						SP-SC		Gray (10YR 5/1) poorly graded fine SAND with soft fat Clay, trace silt
556						SP-SC		Gray (10YR 5/1) poorly graded fine SAND with soft fat Clay, trace silt
558						SP-SC		Gray (10YR 5/1) poorly graded fine SAND with soft fat Clay, trace silt
560						SP		Grayish brown (10YR 5/2) poorly graded fine SAND, trace Silt
562						SP-SC		Gray (10YR 5/1) poorly graded fine SAND with soft fat Clay, trace silt
564		0.0				SP-SC		Gray (10YR 5/1) poorly graded fine SAND with soft fat Clay, trace silt
566						SP-SC		Gray (10YR 5/1) poorly graded fine SAND with soft fat Clay, trace silt
568						SP-SC		Gray (10YR 5/1) poorly graded fine SAND with soft fat Clay, trace silt
570						SP-SC		Gray (10YR 5/1) poorly graded fine SAND with soft fat Clay, trace silt
572						SP-SC		Gray (10YR 5/1) poorly graded fine SAND with soft fat Clay, trace silt
574						SP-SC		Gray (10YR 5/1) poorly graded fine SAND with soft fat Clay, trace silt
576						SP-SC		Gray (10YR 5/1) poorly graded fine SAND with soft fat Clay, trace silt
578						SP-SC		Gray (10YR 5/1) poorly graded fine SAND with soft fat Clay, trace silt
580						SP-SC		Gray (10YR 5/1) poorly graded fine SAND with soft fat Clay, trace silt
582						SP-SC		Gray (10YR 5/1) poorly graded fine SAND with soft fat Clay, trace silt
584						SP-SC		Gray (10YR 5/1) poorly graded fine SAND with soft fat Clay, trace silt
586						SP-SC		Gray (10YR 5/1) poorly graded fine SAND with soft fat Clay, trace silt
588						SP-SC		Gray (10YR 5/1) poorly graded fine SAND with soft fat Clay, trace silt
590						SP-SC		Gray (10YR 5/1) poorly graded fine SAND with soft fat Clay, trace silt
592						SW-SC		Gray (10YR 5/1) well graded fine to coarse subangular SAND with soft fat Clay, trace silt, trace pyrite
594						SW-SC		Gray (10YR 5/1) well graded fine to coarse subangular SAND with soft fat Clay, trace silt, trace pyrite
596						CH		Dark gray (7.5YR 4/1) fine Sandy soft fat Clay
598						SC		
600								
602								
604								
606								
608								

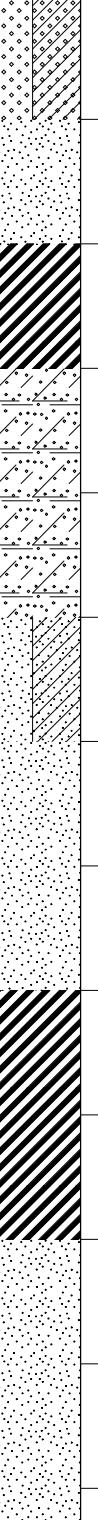
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DEPTH (ft)	Gamma Ray	PID (ppm)	TCE (ug/L)	PCE (ug/L)	Formation	USCS	GRAPHIC LOG	MATERIAL DESCRIPTION
610	30 60 90				Magothy			Gray (7.5YR 5/1) soft fat Clayey poorly graded fine SAND, trace muscovite ( <i>continued</i> )
612								Gray (7.5YR 5/1) Silty well graded fine to medium SAND
614								Light gray (7.5YR 7/1) Silty well graded fine to coarse SAND, trace lignite
616								Light gray (7.5YR 7/1) poorly graded medium SAND with Silt
618								Light gray (7.5YR 7/1) poorly graded medium SAND with Silt
620								Light gray (7.5YR 7/1) poorly graded medium SAND with Silt
622								Light gray (7.5YR 7/1) poorly graded medium SAND with Silt
624								Light gray (7.5YR 7/1) poorly graded medium SAND with Silt
626								Light gray (7.5YR 7/1) poorly graded medium SAND with Silt
628								Light gray (7.5YR 7/1) poorly graded medium SAND with Silt
630								Light gray (7.5YR 7/1) poorly graded medium SAND with Silt
632								Light gray (7.5YR 7/1) poorly graded medium SAND with Silt
634								Light gray (7.5YR 7/1) poorly graded medium SAND with Silt
636								Light gray (7.5YR 7/1) poorly graded medium SAND with Silt
638								Light gray (7.5YR 7/1) poorly graded medium SAND with Silt
640								Light gray (7.5YR 7/1) poorly graded fine SAND with soft fat Clay, trace lignite, trace muscovite
642								Light gray (7.5YR 7/1) poorly graded fine SAND with soft fat Clay, trace lignite, trace muscovite
644								Light gray (7.5YR 7/1) poorly graded fine SAND with soft fat Clay, trace lignite, trace muscovite
646								Light gray (7.5YR 7/1) poorly graded fine SAND with soft fat Clay, trace lignite, trace muscovite
648								Dark gray (10YR 4/1) poorly graded medium subrounded SAND with Silt, trace muscovite
650								Dark gray (10YR 4/1) poorly graded medium subrounded SAND with Silt, trace muscovite
652								Dark gray (10YR 4/1) poorly graded medium subrounded SAND with Silt, trace muscovite
654								Dark gray (10YR 4/1) poorly graded medium subrounded SAND with Silt, trace muscovite
656								Dark gray (10YR 4/1) poorly graded medium subrounded SAND with Silt, trace muscovite
658								Dark gray (10YR 4/1) poorly graded medium subrounded SAND with Silt, trace muscovite
660								Dark gray (10YR 4/1) poorly graded medium subrounded SAND with Silt, trace muscovite
662								Dark gray (10YR 4/1) poorly graded medium subrounded SAND with Silt, trace muscovite
664								Dark gray (10YR 4/1) poorly graded medium subrounded SAND with Silt, trace muscovite
666								Dark gray (10YR 4/1) poorly graded medium subrounded SAND with Silt, trace muscovite
668								Dark gray (10YR 4/1) poorly graded medium subrounded SAND with Silt, trace muscovite
670								Dark gray (10YR 4/1) poorly graded medium subrounded SAND with Silt, trace muscovite

(Continued Next Page)

DEPTH (ft)	Gamma Ray	PID (ppm)	TCE (ug/L)	PCE (ug/L)	Formation	USCS	GRAPHIC LOG	MATERIAL DESCRIPTION
672	30 60 90				Magothy	SP-SM		
674						SW-SM		Gray (10YR 5/1) well graded medium to coarse subrounded SAND with Silt, trace muscovite, trace fine gravel
676						SW-SM		Gray (10YR 5/1) well graded medium to coarse subrounded SAND with Silt, trace muscovite, trace fine gravel
678						SW-SM		Gray (10YR 5/1) well graded medium to coarse subrounded SAND with Silt, trace muscovite, trace fine gravel
680						SW-SM		Gray (10YR 5/1) well graded medium to coarse subrounded SAND with Silt, trace muscovite, trace fine gravel
682						SW-SM		Gray (10YR 5/1) well graded medium to coarse subrounded SAND with Silt, trace muscovite, trace fine gravel
684						SW-SM		Gray (10YR 5/1) well graded medium to coarse subrounded SAND with Silt, trace muscovite, trace fine gravel
686						SW-SM		Gray (10YR 5/1) well graded medium to coarse subrounded SAND with Silt, trace muscovite, trace fine gravel
688						SW-SM		Gray (10YR 5/1) well graded medium to coarse subrounded SAND with Silt, trace muscovite, trace fine gravel
690						SW-SM		Gray (10YR 5/1) well graded medium to coarse subrounded SAND with Silt, trace muscovite, trace fine gravel
692						SW-SM		Gray (10YR 5/1) well graded medium to coarse subrounded SAND with Silt, trace muscovite, trace fine gravel
694						SP		Gray (10YR 5/1) well graded medium to coarse subrounded SAND with Silt, trace muscovite, trace fine gravel
696						SP-SC		Grayish brown (2.5Y 5/2) poorly graded fine subangular medium SAND, trace fine subangular Gravel, trace pyrite
698						SP-SC		Grayish brown (2.5Y 5/2) poorly graded coarse subangular SAND with soft fat Clay, trace fine subangular gravel
700						SP-SC		Grayish brown (2.5Y 5/2) poorly graded coarse subangular SAND with soft fat Clay, trace fine subangular gravel
702						CH		Light gray (Gley1 7/N) fine Sandy medium stiff fat CLAY, trace muscovite
704						CH		Light gray (Gley1 7/N) fine Sandy medium stiff fat CLAY, trace muscovite
706						SP		White (5Y 8/1) poorly graded fine SAND, trace soft fat Clay
708						SW-SC		Brownish yellow (10YR 6/6) well graded fine to coarse subangular SAND with soft fat Clay, trace muscovite, trace fine subrounded gravel
710								
712								
714								
716								
718								
720								
722								
724		0.0						
726								
728								
730								
732								

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DEPTH (ft)	Gamma Ray	PID (ppm)	TCE (ug/L)	PCE (ug/L)	Formation	USCS	GRAPHIC LOG	MATERIAL DESCRIPTION
734					Magothy	SW-SC		Brownish yellow (10YR 6/6) well graded fine to coarse subangular SAND with soft fat Clay, trace muscovite, trace fine subrounded gravel
736								Brownish yellow (10YR 6/6) poorly graded coarse subangular SAND, few fine subrounded Gravel, trace soft fat clay
738								White (5Y 8/1) fine Sandy soft fat CLAY, trace iron
740								Brownish yellow (10YR 6/6) well graded fine to coarse subangular SAND, trace soft fat Clay
742								Brownish yellow (10YR 6/6) poorly graded coarse subrounded SAND with soft fat Clay, trace silt
744								Brownish yellow (10YR 6/6) well graded fine to coarse subangular SAND, trace soft fat Clay
746								Brownish yellow (10YR 6/6) poorly graded coarse subrounded SAND with soft fat Clay, trace silt
748								Brownish yellow (10YR 6/6) well graded fine to coarse subangular SAND, trace soft fat Clay
750								Brownish yellow (10YR 6/6) poorly graded coarse subrounded SAND with soft fat Clay, trace silt
752								Brownish yellow (10YR 6/6) well graded fine to coarse subangular SAND, trace soft fat Clay
754								Brownish yellow (10YR 6/6) poorly graded coarse subrounded SAND with soft fat Clay, trace silt
756								Brownish yellow (10YR 6/6) well graded fine to coarse subangular SAND, trace soft fat Clay
758								Brownish yellow (10YR 6/6) poorly graded coarse subrounded SAND with soft fat Clay, trace silt
760								Brownish yellow (10YR 6/6) well graded fine to coarse subangular SAND, trace soft fat Clay, trace silt
762								Brownish yellow (10YR 6/6) poorly graded coarse subrounded SAND with soft fat Clay, trace silt
764								Brownish yellow (10YR 6/6) well graded fine to coarse subangular SAND, trace fine subrounded Gravel, trace silt
766								Brownish yellow (10YR 6/6) poorly graded coarse subrounded SAND with soft fat Clay, trace silt
768								Brownish yellow (10YR 6/6) well graded fine to coarse subangular SAND, trace fine subrounded Gravel, trace lignite
770								Light gray (Gley1 5/1) soft fat Clayey medium to coarse subangular SAND, trace fine subangular lignite
772								Light gray (Gley1 5/1) soft fat Clayey medium to coarse subangular SAND, trace fine subangular lignite
774								Brownish yellow (10YR6/8) poorly graded coarse subrounded SAND, trace Silt, trace fine subrounded gravel, trace pyrite
776								Brownish yellow (10YR6/8) poorly graded coarse subrounded SAND, trace Silt, trace pyrite
778								
780								
782								
784								
786								
788								
790								
792								
794								

(Continued Next Page)

DEPTH (ft)	Gamma Ray	PID (ppm)	TCE (ug/L)	PCE (ug/L)	Formation	USCS	GRAPHIC LOG	MATERIAL DESCRIPTION
796	30 60 90				Magothy	SP		Brownish yellow (10YR6/8) poorly graded coarse subrounded SAND, trace Silt, trace pyrite ( <i>continued</i> )
798						SP		Brownish yellow (10YR6/8) poorly graded coarse subrounded SAND, trace Silt, trace pyrite
800						SP		
802						SP		
804						SP		Brownish yellow (10YR6/8) poorly graded coarse subrounded SAND, trace Silt, trace pyrite
806						SP		
808						CH		White (Gley1 7/N) medium stiff fat CLAY
810						CH		
812						SC		
814						SC		White (Gley1 7/N) soft fat Clayey fine SAND
816						SC		
818						SP		Brownish yellow (10YR6/8) poorly graded coarse subrounded SAND, trace Silt, trace iron
820						SP		
822						SP		Brownish yellow (10YR6/8) poorly graded coarse subrounded SAND, trace Silt, trace iron
824						SP		
826						CH		White (Gley1 7/N) stiff fat CLAY, trace fine Sand
828						CH		
830						CH		White (Gley1 7/N) stiff fat CLAY, trace fine Sand
832						CH		
834						SC		Brownish yellow (10YR6/8) poorly graded coarse subrounded SAND, trace Silt, trace iron
836						SC		
838						CH		
840						CH		White (Gley1 7/N) stiff fat CLAY, trace fine Sand
842						CH		
844						SC		
846						SC		White (Gley1 7/N) stiff fat CLAY, trace fine Sand
848						CH		
850						CH		White (Gley1 7/N) stiff fat CLAY, trace fine Sand
852						CH		
854						CH		White (Gley1 7/N) stiff fat CLAY, trace fine Sand
856						CH		

(Continued Next Page)

DEPTH (ft)	Gamma Ray	PID (ppm)	TCE (ug/L)	PCE (ug/L)	Formation	USCS	GRAPHIC LOG	MATERIAL DESCRIPTION
	30 60 90							
858					Magothy	CH		White (Gley1 7/N) stiff fat CLAY, trace fine Sand (continued)
860						CH		White (Gley1 7/N) stiff fat CLAY, trace fine Sand
862						SC		
864						CH		White (Gley1 7/N) stiff Clayey fine SAND
866						SC		White (Gley1 7/N) stiff fat CLAY, trace fine Sand
868						CH		
870						SC		White (Gley1 7/N) stiff Clayey fine SAND, trace silt
872						CH		White (Gley1 7/N) stiff fat CLAY, trace fine Sand
874						CL		
876						CL		Dark gray (10YR 4/1) fine Sandy medium stiff lean CLAY, trace lignite
878						CL		Dark gray (10YR 4/1) fine Sandy medium stiff lean CLAY, trace lignite
880						CL		Dark gray (10YR 4/1) fine Sandy medium stiff lean CLAY, trace lignite
882						CL		White (7.5YR 8/N) fine Sandy hard lean CLAY trace muscovite
884						SM		
886						SM		Gray (Gley1 6/N) Silty poorly graded fine SAND, trace soft fat clay
888						SM		Gray (Gley1 6/N) Silty poorly graded fine SAND, trace soft fat clay
890						SM		Gray (Gley1 6/N) Silty poorly graded fine SAND, trace soft fat clay
892								
894								
896								
898		0.0						
900								
902								
904								
906								
908								
910								
912								
914								
916								
918								

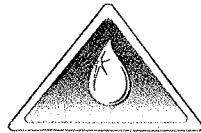
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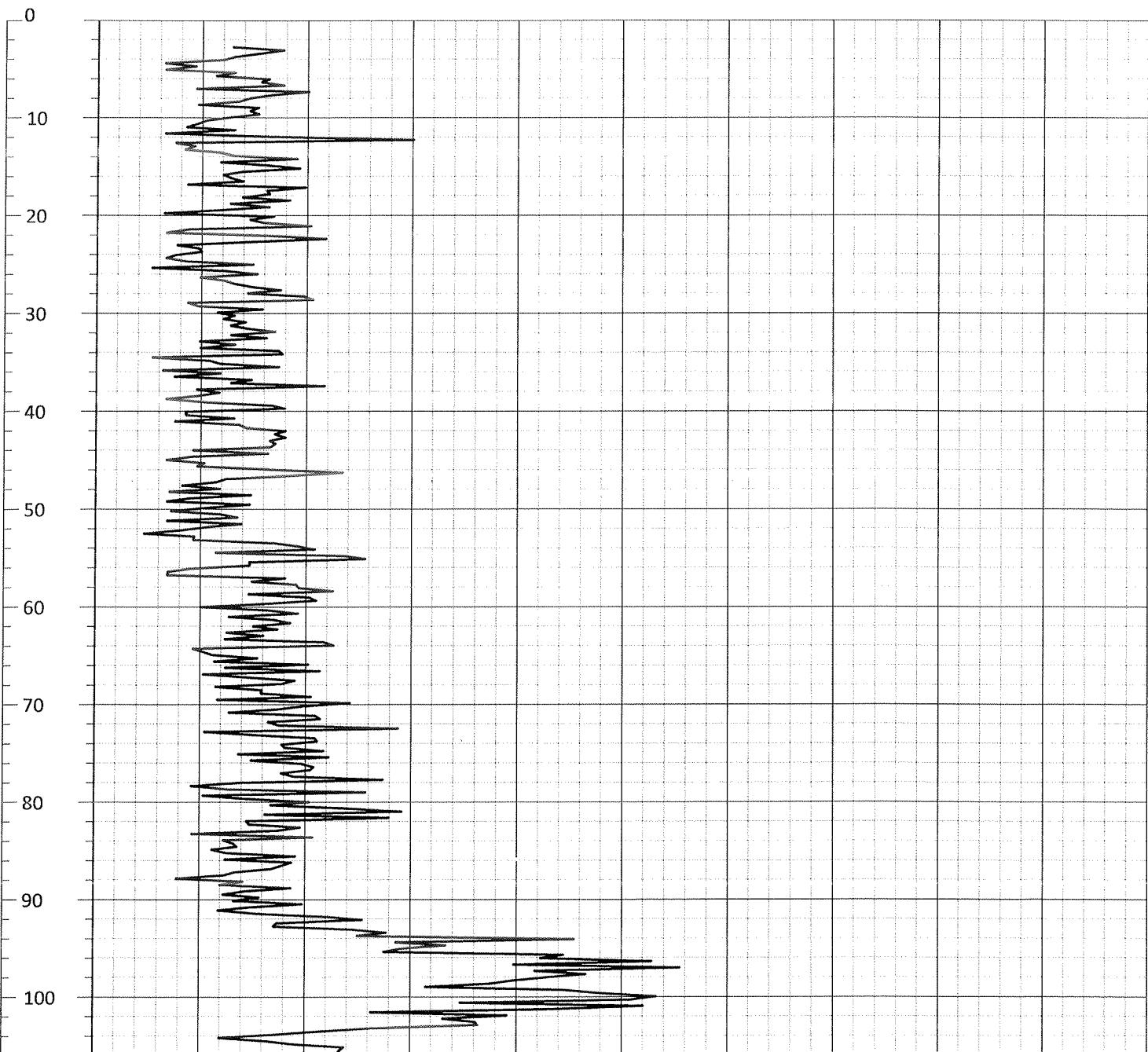
DEPTH (ft)	Gamma Ray	PID (ppm)	TCE (ug/L)	PCE (ug/L)	Formation	USCS	GRAPHIC LOG	MATERIAL DESCRIPTION
918	30 60 90							
920					Magothy	SM		Gray (Gley1 6/N) Silty poorly graded fine SAND, trace soft fat clay
922								
924					Magothy	SM		Gray (Gley1 6/N) Silty poorly graded fine SAND, trace soft fat clay
926								
928					SP-SM			Pale olive (5Y 6/3) poorly graded fine subangular SAND with Silt, trace soft fat clay
930								
932					SP-SM			Pale olive (5Y 6/3) poorly graded fine subangular SAND with Silt, trace soft fat clay
934								
936					SP-SM			Gray (Gley1 6/N) poorly graded fine SAND with Silt, trace soft fat clay
938								
940					SP-SM			Gray (Gley1 6/N) poorly graded fine SAND with Silt, trace soft fat clay
942								
944					SP-SM			Gray (Gley1 6/N) poorly graded fine SAND with Silt, trace soft fat clay
946								
948					SP-SM			Gray (Gley1 6/N) Silty poorly graded fine subangular SAND, trace soft fat clay
950						SM		Gray (Gley1 6/N) Silty poorly graded fine subangular SAND, trace soft fat clay
952						SM		Gray (Gley1 6/N) Silty poorly graded fine subangular SAND, trace soft fat clay
954						SM		Gray (Gley1 6/N) Silty poorly graded fine subangular SAND, trace soft fat clay
956						SM		Gray (Gley1 6/N) Silty poorly graded fine subangular SAND, trace soft fat clay
958						SM		Gray (Gley1 6/N) Silty poorly graded fine subangular SAND, trace soft fat clay
960						SM		Gray (Gley1 6/N) Silty poorly graded fine subangular SAND, trace soft fat clay
962						SM		Gray (Gley1 6/N) Silty poorly graded fine subangular SAND, trace soft fat clay
964						SM		Gray (Gley1 6/N) Silty poorly graded fine subangular SAND, trace soft fat clay
966						CH		Gray (Gley1 6/N) hard fat CLAY, trace Silt
968						CH		Light reddish brown (2.5YR 7/4) stiff fat CLAY, trace Silt
970					Raritan	CH		Light reddish brown (2.5YR 7/4) stiff fat CLAY, trace Silt
972						CH		Light gray (Gley1 7/N) and light reddish brown (2.5YR 7/4) mottled stiff fat CLAY
974						CH		Light gray (Gley1 7/N) and light reddish brown (2.5YR 7/4) mottled stiff fat CLAY
976						CH		Light gray (Gley1 7/N) and light reddish brown (2.5YR 7/4) mottled stiff fat CLAY
978		0.0				CH		Light gray (Gley1 7/N) and light reddish brown (2.5YR 7/4) mottled stiff fat CLAY

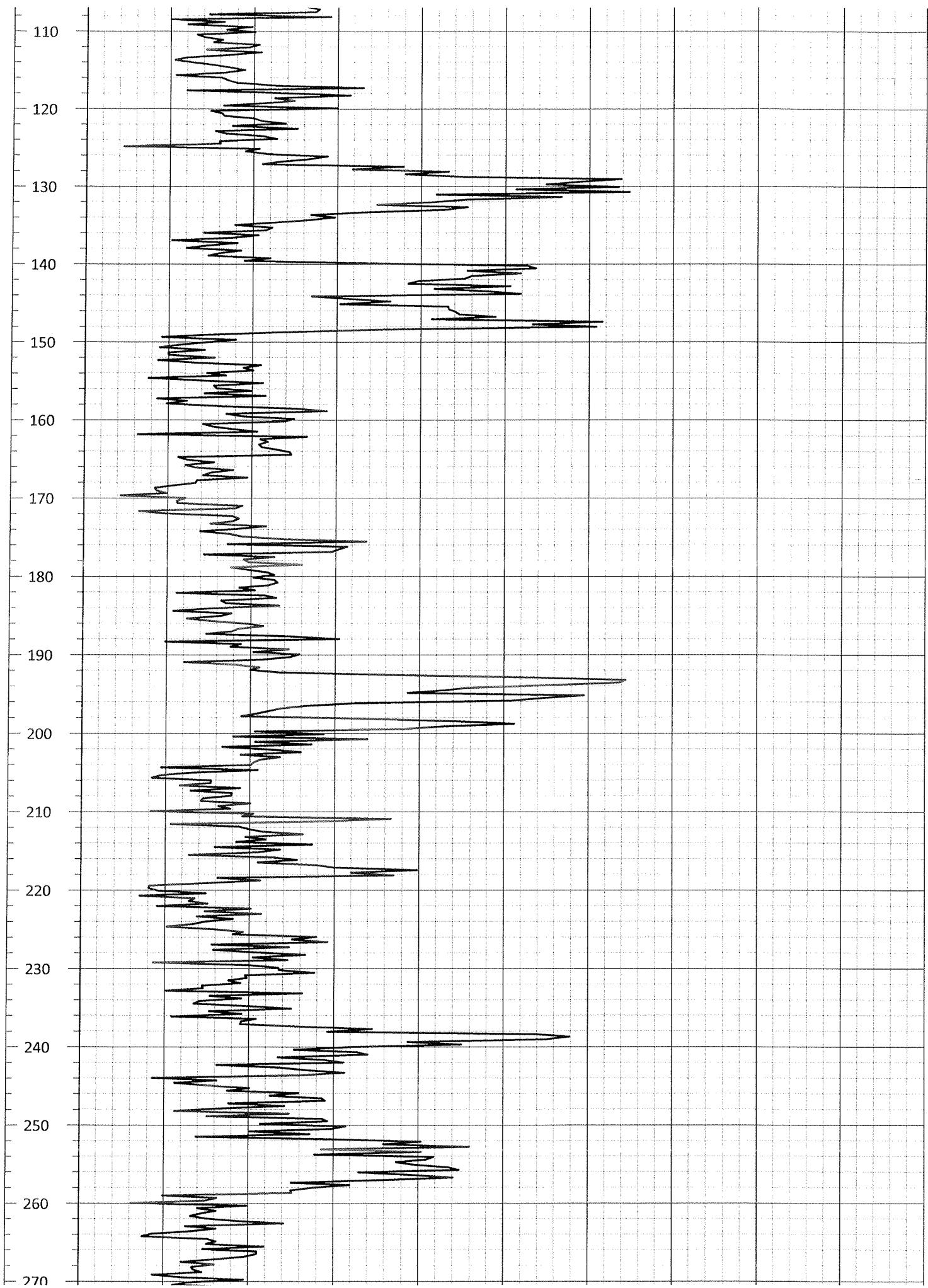
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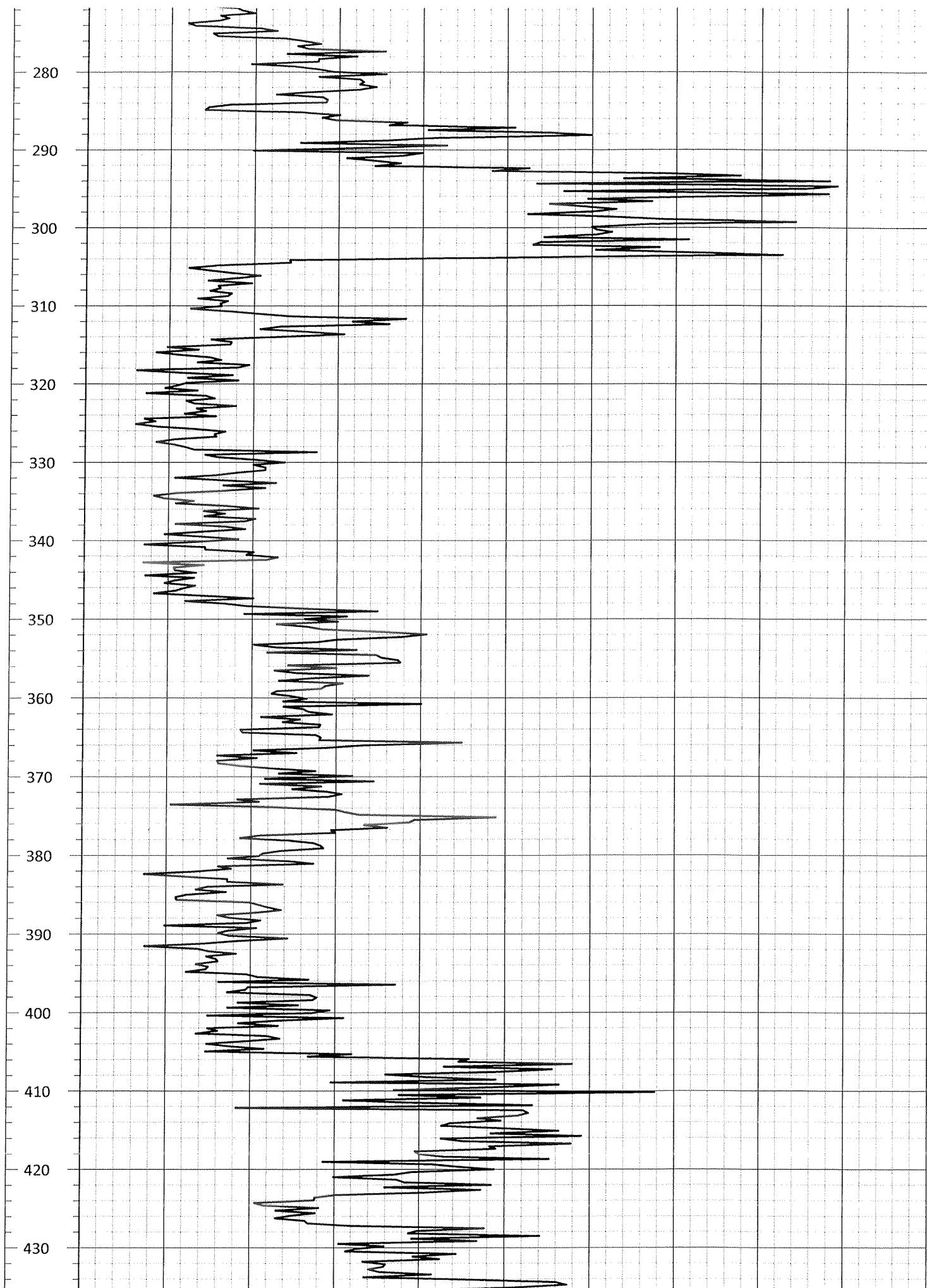
DEPTH (ft)	Gamma Ray	PID (ppm)	TCE (ug/L)	PCE (ug/L)	Formation	USCS	GRAPHIC LOG	MATERIAL DESCRIPTION
980	30 60 90				Raritan			
982					CH			Light reddish brown (2.5YR 7/4) stiff fat CLAY, trace Silt
984		0.0			CH			Light gray (Gley1 7/N) and light reddish brown (2.5YR 7/4) mottled very stiff fat CLAY
986					CH			Gray (Gley1 6/N) stiff fat CLAY, trace Silt
988		0.0			CH			Gray (Gley1 6/N) and red (2.5YR 5/6) mottled hard fat CLAY
990								End of boring at 990.0 ft. bgs.

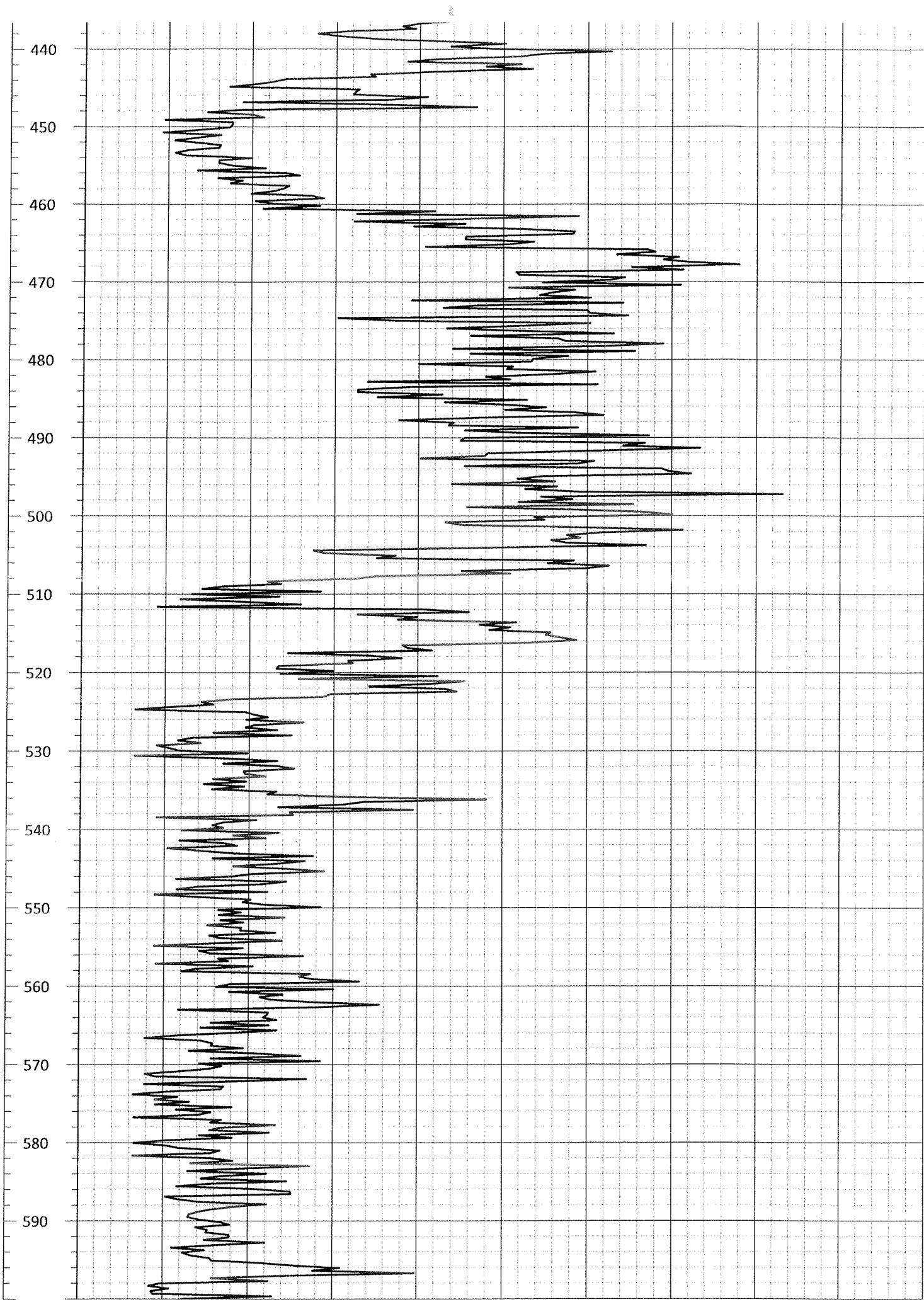
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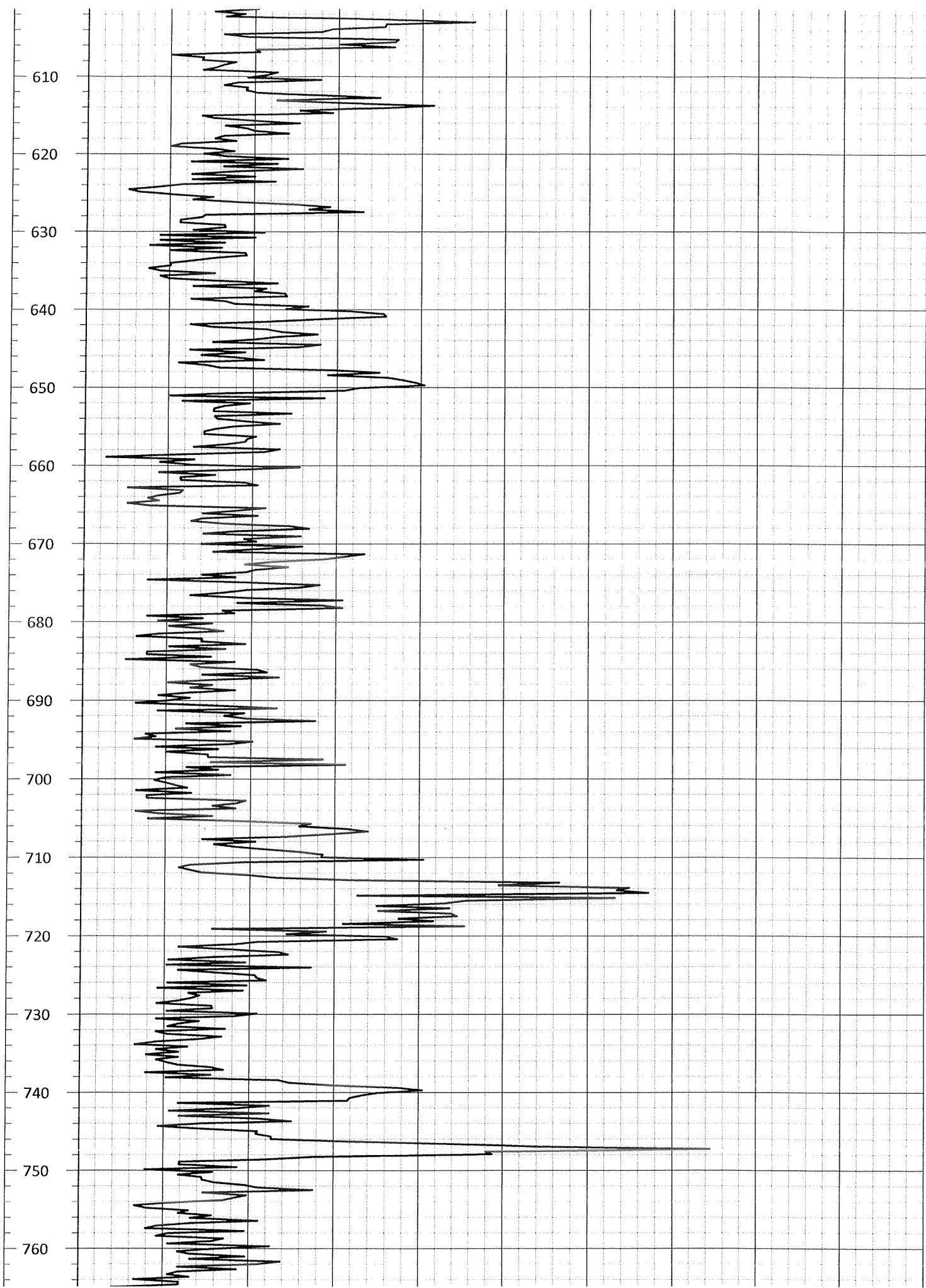
	COMPANY: DELTA WELL & PUMP CO., INC.	
LOCATION: NWIRP WHITE BIRCH LA.		
Well: VPB163		Depth Driller:
		Depth Logger:
Date: 02/01/2016	Time:	Logged by: CMO
File Name: 739		Witness: GORDON
Depth (ft.)	0.0	GAMMA (cps)
		100.0

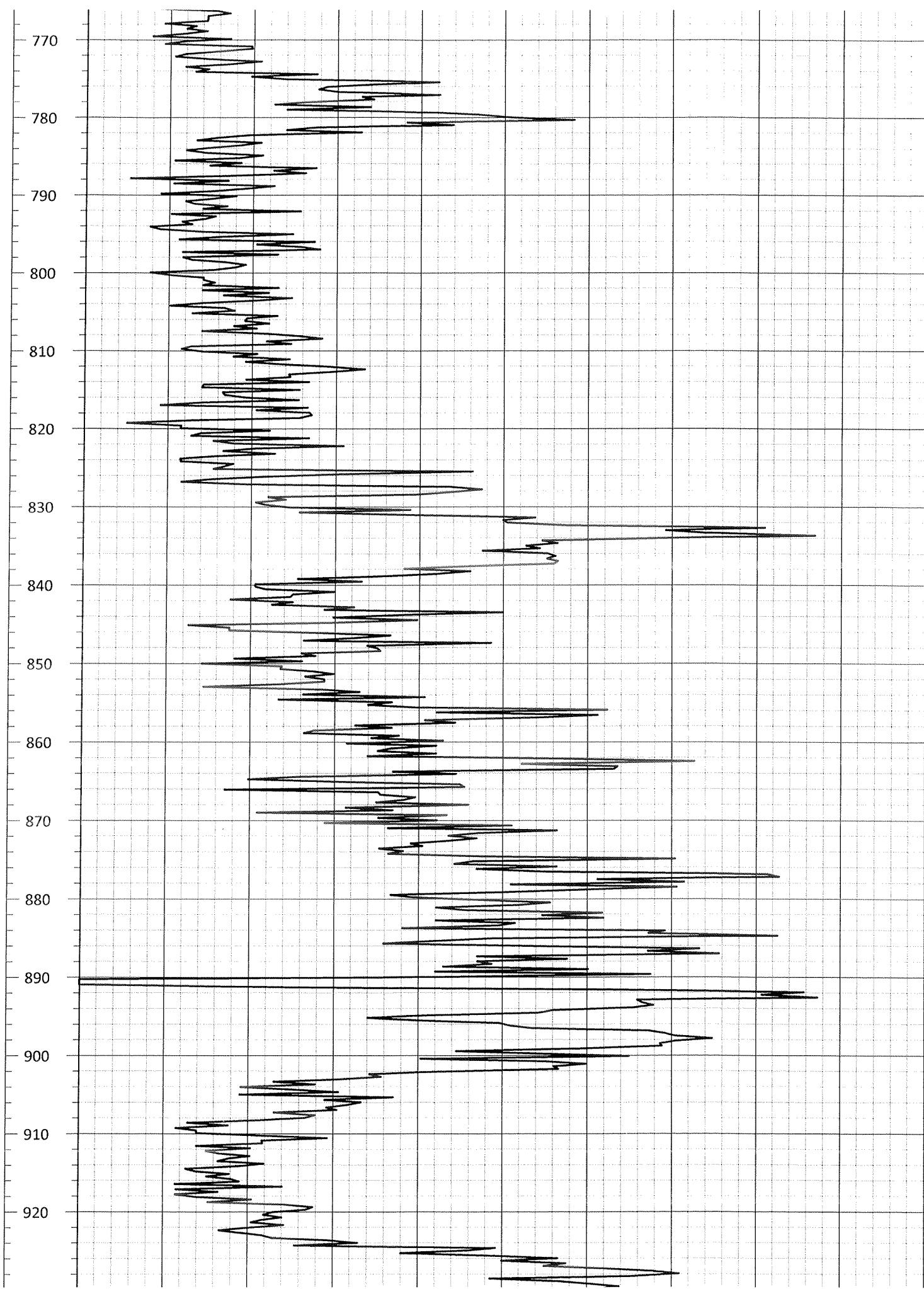


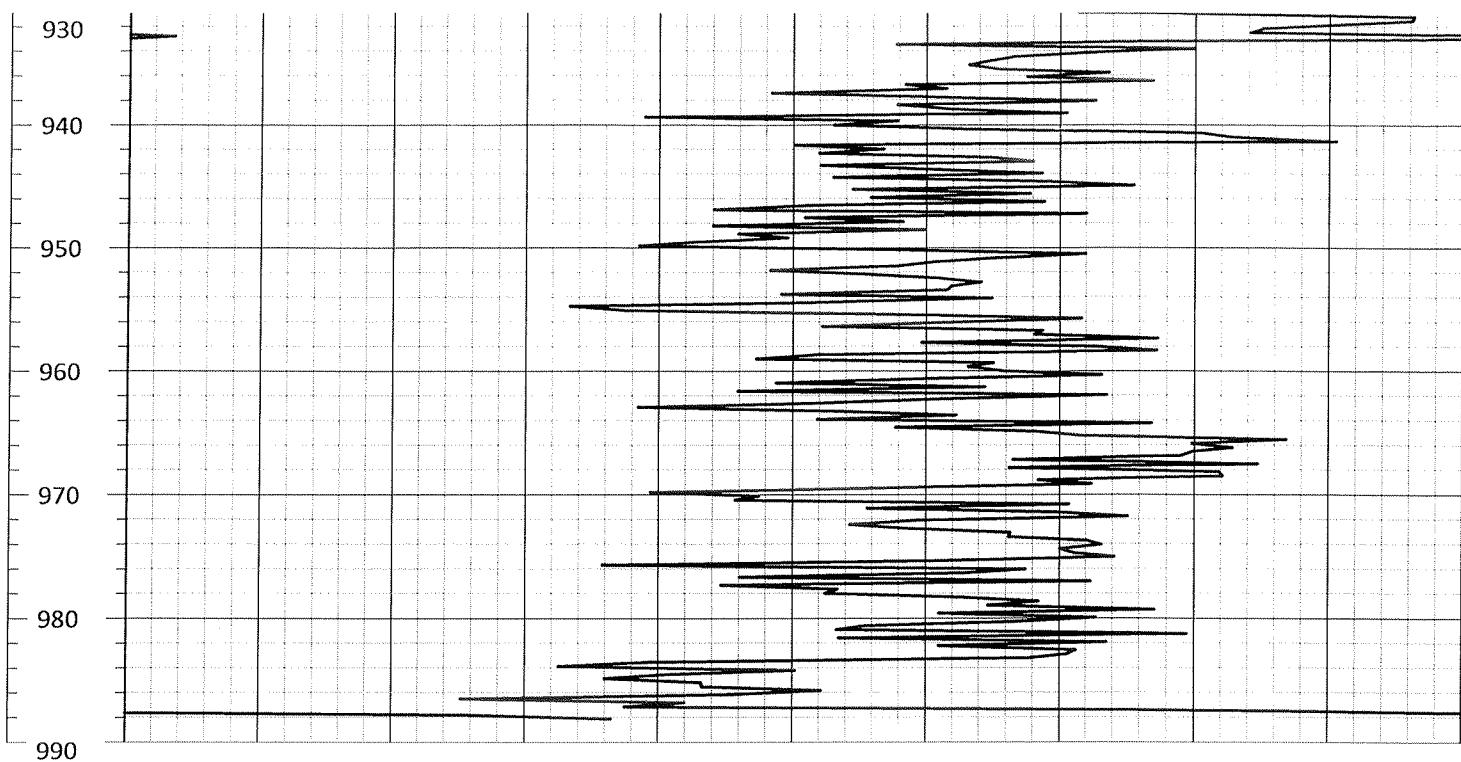












Depth (ft.)	GAMMA (cps)	
0.0	100.0	

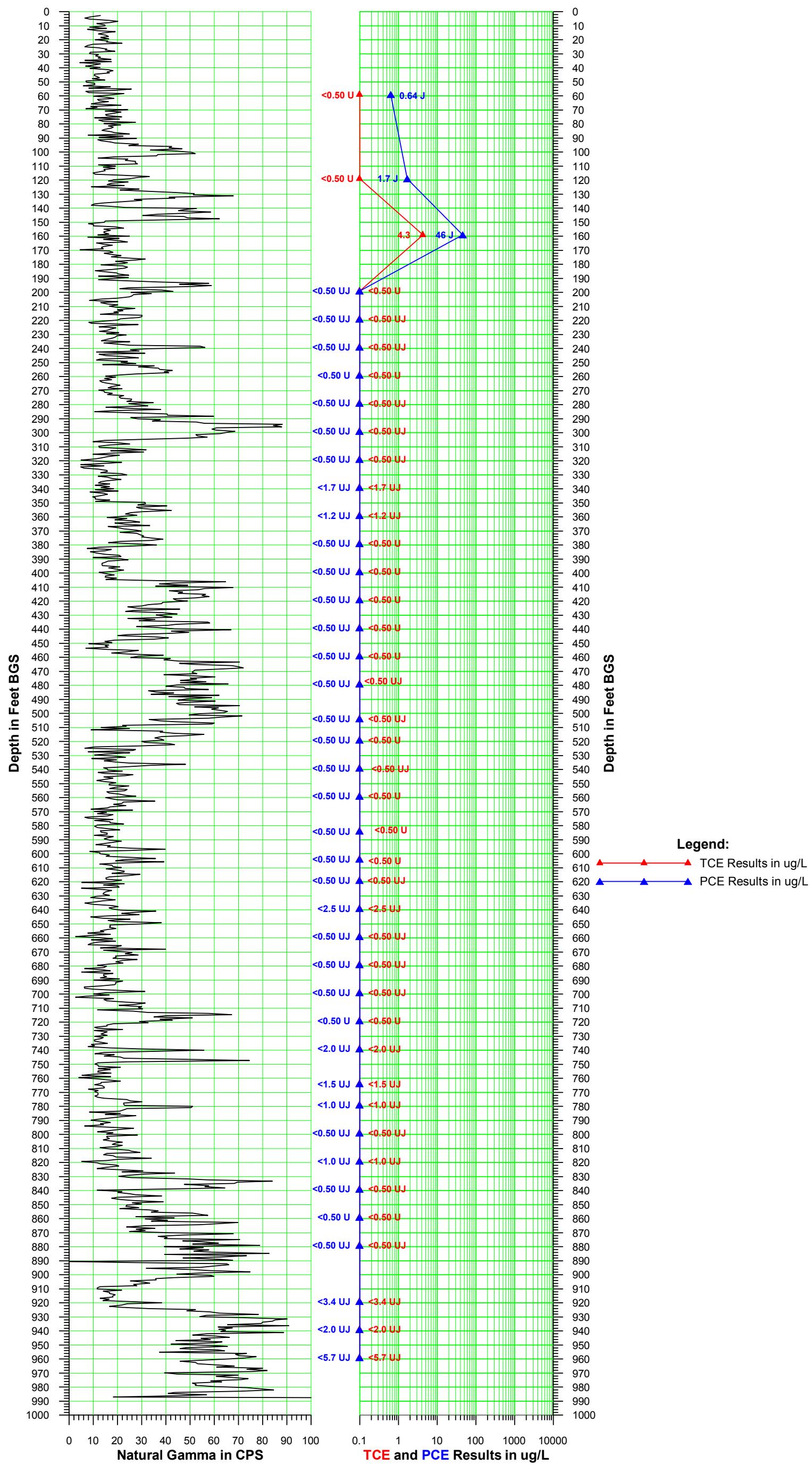
## Section 2

### VPB163 Gamma and PCE/TCE Plot

# **Vertical Profile Boring VPB-163**

## **Downward Run - February 1, 2016**

### **Validated Analytical Data**



### Section 3

VPB163 Groundwater Sample Log Sheets

## Hydropunch Log

VPB163 60266526 Fl.WI 3 Sector: G. Hicks

NWIRP Bethpage

Sample date	Time	Temp (°C)	pH	Spec. Cond. (µs/cm)	DO (mg/L)	ORP (mV)	Turbidity (NTU)	Starting depth (ft)	Ending depth (ft)	Color	MS-MSD	DUP	Notes
12/16/2015	10:30:00	11.2	6.66	612	3.73	77.9	229.6	58	60	Slightly cloudy			
12/18/2015	09:55:00	9.9	7.64	394.4	2.74	15.6	489.1	118	120	Cloudy			
12/18/2015	12:08:00	10	6.95	292.3	2.80	30.0	774.2	158	160	Cloudy			
12/21/2015	10:15:00	9.8	6.92	311.1	2.24	115.7	794.4	198	200	Cloudy		X	
12/21/2015	12:30:00	9.9	6.41	632.6	1.61	68.9	>1,100	218	220	Cloudy	X		
12/22/2015	09:45:00	9.2	6.37	104.8	2.69	134.2	>1,100	238	240	Very cloudy			
12/22/2015	11:30:00	8.9	5.94	174.1	0.78	163.1	614.8	258	260	Cloudy			
12/28/2015	09:50:00	7.3	6.05	269.8	2.69	81.9	513.9	278	280	Cloudy			
12/28/2015	12:00:00	9.2	6.77	553.3	2.65	62.5	>1,100	298	300	Very cloudy			
12/28/2015	14:10:00	8.6	6.12	215.1	3.54	92.6	388.7	318	320	Cloudy			
12/29/2015	09:30:00	8.6	6.33	626.6	0.41	73.0	<1,100	338	340	Very cloudy			
12/29/2015	11:45:00	8.7	6.94	202.3	0.42	41.3	<1,100	358	360	Very cloudy			
12/29/2015	13:30:00	8.4	6.28	244.9	2.44	147.7	241.6	378	380	Slightly cloudy			
12/30/2015	10:00:00	9.2	6.31	259.9	3.37	63.7	319.2	398	400	Slightly cloudy			
12/30/2015	12:00:00	9.9	5.42	116.3	2.41	111.1	102.9	418	420	Slightly cloudy			
12/30/2015	13:15:00	10.4	6.32	71.6	4.18	68.9	659.2	438	440	Slightly cloudy			
12/31/2015	10:15:00	10.6	6.65	201.2	3.96	39.6	462.9	458	560	Slightly cloudy			
12/31/2015	13:10:00	9.8	6.96	249.8	1.22	17.1	>1,100	478	580	Very cloudy			
1/4/2016	13:00:00	sample to collect YSI data					>1,100	503	505	Very cloudy			
1/5/2016	10:30:00	10.8	6.25	197.1	3.94	83.4	366.1	518	520	Slightly cloudy			
1/5/2016	13:00:00	9.1	6.31	199.6	0.06	3.4	198.5	538	540	Slightly cloudy	X	X	
1/6/2016	11:15:00	7.3	5.79	83.3	3.76	104.3	291.9	558	560	Slightly cloudy			
1/7/2016	10:45:00	8.8	6.63	140.8	6.82	84.3	>1,100	583	585	Very cloudy			
1/8/2016	09:45:00	7.6	7.26	69.2	6.08	87.8	667.2	603	605	Slightly cloudy			
1/11/2016	11:15:00	6.8	5.88	210.9	2.52	-20.6	>1,100	618	620	Very cloudy			
1/11/2016	13:45:00	7.0	5.37	95.6	0.32	34.5	>1,100	638	640	Very cloudy			
1/12/2016	10:30:00	7.9	6.61	343.9	0.34	-129.4	>1,100	658	660	Very cloudy			
1/12/2016	13:00:00	sample to collect YSI data					>1,100	678	680	Very cloudy			
1/13/2016	10:30:00	5.4	6.11	588.5	3.79	24.4	>1,100	698	700	Very cloudy			
1/13/2016	12:45:00	5.4	6.44	388.5	3.79	24.4	653.1	718	720	Slightly cloudy			
1/14/2016	11:00:00	5.1	6.16	88.9	1.68	46.9	>1,100	738	740	Very cloudy/yellowish			
1/15/2016	10:15:00	sample to collect YSI data					>1,100	763	765	Very cloudy			
1/15/2016	12:30:00	10.7	7.01	748.1	1.33	-87.5	>1,100	778	780	Very cloudy			
1/15/2016	14:45:00	11.2	6.91	520.3	0.30	-30.8	>1,100	798	800	Very cloudy			
1/18/2016	14:30:00	9.1	7.14	623.9	4.81	-10.5	>1,100	818	820	Very cloudy			
1/19/2016	13:15:00	12.9	7.21	608.5	0.34	-12.7	>1,100	838	840	Very cloudy			
1/20/2016	12:15:00	9.6	6.64	137.4	5.97	-13.1	211.1	858	860	Slightly cloudy			
1/21/2016	10:15:00	9.8	6.62	101.7	2.72	-60.1	>1,100	878	880	Very cloudy			
1/26/2016	14:15:00	sample to collect YSI data					>1,100	918	920	Very cloudy			
1/27/2016	11:30:00	10.8	7.14	605.6	4.22	-99.4	>1,100	938	940	Very cloudy			
1/27/2016	15:15:00	10.2	7.39	505.1	3.89	-101.2	>1,100	958	960	Very cloudy			

1. Not submitted for analysis due to incorrect container; sample taken at same depth at RE129D2 on 2/26/16

2. Not submitted for analysis due to incorrect container; sample taken at same depth at RE129D2 on 2/29/16

1

2

2

## Section 4

### VPB163 Analytical Data Validation

- Analytical Data Sheets
- Chain of Custody Records
- Validation Letter and Table



## DATA VALIDATION REPORT

Project:	Regional Groundwater Investigation — NWIRP Bethpage	
Laboratory:	Katahdin Analytical	
Sample Delivery Group:	BETHPAGE VPB163	
Analyses/Method: Volatile Organic Compounds (VOCs) by U.S. EPA SW-846 Method 8260C, Total Organic Carbon (TOC) by U.S. EPA SW-846 Method 9060A, and Standard Method 5310B for Total Organic Carbon by High-Temperature Combustion		
Validation Level:	3	
Project Number:	0888812477.SA.DV	
Prepared by:	Dana Miller/Resolution Consultants	Completed on: 02/26/2016
Reviewed by:	Tina Clemmey/Resolution Consultants	File Name: BETHPAGE VPB163_8260C_9060A_5310B

## SUMMARY

This report summarizes data review findings for samples listed below, collected by Resolution Consultants from the Regional Groundwater Investigation — NWIRP Bethpage Site on 15 December to 27 January 2016 in accordance with the following Sampling and Analysis Plans:

- *Sampling and Analysis Plan, Bethpage, New York.* (Resolution Consultants, April 2013).
- *UFP SAP Addendum, Installation of Vertical Profile Borings and Monitoring Wells, Operable Unit 2, NWIRP Bethpage, New York.* (Resolution Consultants, November 2013).
- *UFP SAP Addendum, Inclusion of Additional Target Analytes for Volatile Organics Analyses, NWIRP Bethpage OU2, Bethpage, New York.* (Resolution Consultants, August 2014).

Sample ID	Lab ID	Matrix/Sample Type	Analysis
VPB163-TB-123115	SJ0035-1	Trip Blank	8260C
VPB163-GW-123115-458-460	SJ0035-2	Groundwater	8260C
VPB163-GW-123115-478-480	SJ0035-3	Groundwater	8260C
VPB163-GW-010416-503-505	SJ0035-4	Groundwater	8260C
VPB163-TB-010516	SJ0150-1	Trip Blank	8260C
VPB163-GW-010516-518-520	SJ0150-2	Groundwater	8260C
VPB163-GW-010516-538-540	SJ0150-3	Groundwater	8260C
VPB163-GWD-010516	SJ0150-4	Field Duplicate	8260C
VPB163-GW-010616-558-560	SJ0150-5	Groundwater	8260C
VPB163-EB-010616	SJ0150-6	Equipment Blank	8260C, 5310B

<b>Sample ID</b>	<b>Lab ID</b>	<b>Matrix/Sample Type</b>	<b>Analysis</b>
VPB163-GW-010716-583-585	SJ0150-7	Groundwater	8260C
VPB163-TB-010816	SJ0227-1	Trip Blank	8260C
VPB163-GW-010816-603-605	SJ0227-2	Groundwater	8260C
VPB163-GW-011116-618-620	SJ0227-3	Groundwater	8260C
VPB163-GW-011116-638-640	SJ0227-4DL	Groundwater	8260C
VPB163-TB-011216	SJ0344-1	Trip Blank	8260C
VPB163-GW-011216-658-660	SJ0344-2	Groundwater	8260C
VPB163-GW-011216-678-680	SJ0344-3	Groundwater	8260C
VPB163-GW-011316-698-700	SJ0344-4	Groundwater	8260C
VPB163-GW-011316-718-720	SJ0344-5	Groundwater	8260C
VPB163-GW-011416-738-740	SJ0344-6DL	Groundwater	8260C
VPB163-TB-011516	SJ0411-1	Trip Blank	8260C
VPB163-GW-011516-763-765	SJ0411-2DL	Groundwater	8260C
VPB163-GW-011516-778-780	SJ0411-3DL	Groundwater	8260C
VPB163-GW-011516-798-800	SJ0411-4	Groundwater	8260C
VPB163-GW-011816-818-820	SJ0411-5DL	Groundwater	8260C
VPB163-TB-011916	SJ0528-1	Trip Blank	8260C
VPB163-GW-011916-838-840	SJ0528-2	Groundwater	8260C
VPB163-GW-012016-858-860	SJ0528-3	Groundwater	8260C
VPB163-GW-012116-878-880	SJ0528-4	Groundwater	8260C
VPB163-TB-012616	SJ0690-1	Trip Blank	8260C
VPB163-GW-012616-918-920	SJ0690-2DL	Groundwater	8260C
VPB163-GW-012716-938-940	SJ0690-3DL	Groundwater	8260C
VPB163-GW-012716-958-960	SJ0690-4DL	Groundwater	8260C
VPB163-TB-121515	TI0216-1	Trip Blank	8260C
VPB163-FB-121515	TI0216-2	Field Blank	8260C, 5310B
VPB163-GW-121615-58-60	TI0216-3	Groundwater	8260C
VPB163-TB-121815	TI0291-1	Trip Blank	8260C
VPB163-GW-121815-118-120	TI0291-2	Groundwater	8260C
VPB163-GW-121815-158-160	TI0291-3	Groundwater	8260C
VPB163-GW-122115-198-200	TI0291-4	Groundwater	8260C
VPB163-GWD-122115	TI0291-5	Field Duplicate	8260C
VPB163-122115-218-220	TI0291-6	Groundwater	8260C
VPB163-SOIL-122115-223-225	TI0291-7	Soil	9060A, 2540G
VPB163-SOIL-DUP-122115	TI0291-8	Field Duplicate	9060A, 2540G
VPB163-EB-122115	TI0291-9	Equipment Blank	8260C, 5310B
VPB163-TB-122215	TI0383-1	Trip Blank	8260C
VPB163-GW-122215-238-240	TI0383-2	Groundwater	8260C

<b>Sample ID</b>	<b>Lab ID</b>	<b>Matrix/Sample Type</b>	<b>Analysis</b>
VPB163-GW-122215-258-260	TI0383-3	Groundwater	8260C
VPB163-GW-122915-338-340	TI0459-1DL	Groundwater	8260C
VPB163-GW-122915-358-360	TI0459-2DL	Groundwater	8260C
VPB163-GW-122915-378-380	TI0459-3	Groundwater	8260C
VPB163-TB-122915	TI0459-4	Trip Blank	8260C
VPB163-GW-123015-398-400	TI0459-5	Groundwater	8260C
VPB163-GW-123015-418-420	TI0459-6	Groundwater	8260C
VPB163-GW-123015-438-440	TI0459-7	Groundwater	8260C

Data validation activities were conducted using the following guidance documents: *Test Methods for Evaluating Solid Waste, Physical/Chemical Methods SW-846, specifically Method 8260C, Volatile Organic Compounds by Gas Chromatography/Mass Spectrometry* (U.S. EPA, 2006), *Test Methods for Evaluating Solid Waste, Physical/Chemical Methods SW-846, specifically Method 9060A, Total Organic Carbon* (U.S. EPA, 1996), *Method SM5310B, Total Organic Carbon by High-Temperature Combustion*, U.S. Environmental Protection Agency (U.S. EPA) Contract Laboratory Program National Functional Guidelines for Superfund Organic Methods Data Review (NFG, June 2008), U.S. Environmental Protection Agency (U.S. EPA) Contract Laboratory Program National Functional Guidelines for Inorganic Superfund Data Review (NFG, January 2010), and Department of Defense (DoD) Quality Systems Manual (QSM) for Environmental Laboratories, Version 4.2 (October 2010). In the absence of method-specific information, laboratory quality control (QC) limits, project-specific requirements and/or professional judgment were used as appropriate.

## **REVIEW ELEMENTS**

The data were evaluated based on the following parameters (where applicable to the method):

- Data completeness (chain-of-custody)/sample integrity
- Holding times and sample preservation
- Gas chromatography/Mass spectrometer performance checks
- Initial calibration (ICAL) /initial calibration verification (ICV)/continuing calibration verification (CCV)
- Laboratory blanks/field blanks/equipment blanks/trip blanks
- Surrogate spike recoveries
- Matrix spike and/or matrix spike duplicate results
- Laboratory control sample/laboratory control sample duplicate results
- Field duplicates

- ✓ Internal standards
- ✓ Sample results/reporting issues

The symbol (✓) indicates that no validation qualifiers were applied based on this parameter. Acceptable data parameters for which all criteria were met and no qualification was performed and non-conformance or other issues that were noted during validation, but did not result in qualification of data are not discussed further. The symbol (✗) indicates that a QC non-conformance resulted in the qualification of data. Any QC non-conformance that resulted in the qualification of data is discussed below.

## **RESULTS**

### **Data Completeness/Sample Integrity**

The data package was reviewed and found to meet acceptance criteria for completeness:

- the COCs were reviewed for completeness of information relevant to the samples and requested analyses, and for signatures indicating transfer of sample custody;
- the laboratory sample login sheet(s) were reviewed for issues potentially affecting sample integrity, including the condition of sample containers upon receipt at the laboratory;
- completeness of analyses was verified by comparing the reported results to the COC request.

Below shows a list of samples that were mostly comprised of soil in all vials and not very much liquid:

- Sample SJ0035-3 and -4 vials contained mostly soil and not much liquid. Two vials (vials A and B) for SJ0035-3 and three vials (Vials A, B, and C) for SJ10035-4 was decanted, compounded into one vial for each sample and analyzed. All detects were qualified estimated "J" and non-detects were qualified estimated "UJ" for loss of sample integrity.
- Sample SJ0227-4 vials contained mostly soil and not much liquid. All vials for SJ0227-4 was decanted, compounded into one vial and analyzed at a dilution of 1:5. Sample SJ0227-3 vials contained mostly soil and not much liquid. One vial (vial A) was decanted and analyzed. All detects for samples SJ0227-3 and -4 were qualified estimated "J" and non-detects were qualified estimated "UJ" for loss of sample integrity.
- Sample SJ0344-2, 3-, -4 and -6 vials contained mostly soil and not much liquid. One vial (vial A) for SJ0344-2, 3-, and -4 was decanted and analyzed. All vials for sample SJ0344-6 was decanted, compounded into one vial and analyzed at a dilution of 1:4. All detects for samples SJ0344-2, 3-, -4 and -6 were qualified estimated "J" and non-detects were qualified estimated "UJ" for loss of sample integrity.

- Sample SJ0411-2 to 5 vials contained mostly soil and not much liquid. All vials for each sample SJ0411-2 to 5 was decanted, compounded into one vial for each sample and analyzed. Samples SJ0411-2, -3, and -5 were analyzed at a dilution of 1:3, 1:2, and 1:2. All detects were qualified estimated "J" and non-detects were qualified estimated "UJ" for loss of sample integrity.
- Sample SJ0528-2 and 4 vials contained mostly soil and not much liquid. Two vials for sample SJ0528-2 was decanted, compounded into one vial and analyzed. All vials for sample SJ0528-4 was decanted, compounded into one vial and analyzed at a dilution of 1:20. All detects were qualified estimated "J" and non-detects were qualified estimated "UJ" for loss of sample integrity.
- Samples SJ0690-2,-3, and -4 vials contained mostly soil and not much liquid. All vials for samples SJ0690-2,-3, and -4 was decanted, compounded into one vial for each sample and analyzed at a dilution of 1:6.7, 1:4, and 1:11.4. All detects were qualified estimated "J" and non-detects were qualified estimated "UJ" for loss of sample integrity.
- Sample TI0459-1 and-2 vials contained mostly soil and not much liquid. All vials (vials A, B, and C) for TI0459-1 and -2 was decanted, compounded into one vial for each sample and analyzed at a dilution of 1:3.3 and 1:2.5. All detects were qualified estimated "J" and non-detects were qualified estimated "UJ" for loss of sample integrity.
- Sample TI0291-6 vials contained mostly soil and not much liquid. Two vials (vials A and B) for TI0291-6 was decanted and analyzed. All detects were qualified estimated "J" and non-detects were qualified estimated "UJ" for loss of sample integrity.
- Sample TI0383-2 vials contained mostly soil and not much liquid. Two vials for TI0383-2 (vials A and B) was decanted, compounded into one vial for each sample and analyzed. All detects were qualified estimated "J" and non-detects were qualified estimated "UJ" for loss of sample integrity.

### **Initial Calibration/Continuing Calibration Verification**

Calibration data were reviewed for conformance with the QC acceptance criteria to ensure that:

- The ICAL percent relative standard deviation, correlation coefficient/coefficient of determination, and/or response factor method acceptance criteria were met
- The ICV standard percent recovery acceptance criteria were met
- The CCV method percent difference or percent drift and response factor acceptance criteria were met
- The retention time method acceptance criteria were met

Data qualification to the analytes associated with the specific ICAL was as follows:

### **ICAL Linearity Non-conformance:**

Criteria	Actions	
	Detected Results	Non-detected Results
%RSD >15% and quantitation based on mean response factor	J	UJ

**Notes:**

%RSD = Relative standard deviation  
 J = Estimated  
 UJ = Undetected and estimated

Data qualification to the analytes associated with the specific ICV was as follows:

### **ICV Recovery Non-conformance:**

Criteria	Actions	
	Detected Results	Non-detected Results
Recovery >120%	J	UJ
Recovery < 80%	J	UJ

**Notes:**

J = Estimated  
 UJ = Undetected and estimated

Data qualification to the analytes associated with the specific CCV was as follows:

### **CCV Linearity Non-conformance:**

Criteria	Actions	
	Detected Results	Non-detected Results
%Difference or %Drift > 20%	J	UJ

**Notes:**

J = Estimated  
 UJ = Undetected and estimated

ICAL, ICV and CCV non-conformances are summarized in Attachment A in Tables A-1, A-2, and A-3.

### **Laboratory Blanks/Equipment Blanks/ Field Blanks/Trip Blanks**

Laboratory blanks, equipment blanks, field blanks, and trip blanks were analyzed with samples to assess contamination imparted by sample preparation and/or analysis. All results associated with a particular blank were evaluated to determine whether there was an inherent variability in the data, or if a problem was an isolated occurrence that did not affect the data. Samples were flagged in accordance with *Functional Guidelines* (shown below) where detections were not believed to be site-related.

### **Blank Non-conformance Charts:**

<b>For common lab contaminants (methylene chloride, acetone, 2-butanone):</b>			
<b>Blank type</b>	<b>Blank result</b>	<b>Sample result</b>	<b>Action for samples</b>
Method, Storage, Trip, Field, or Equipment	Detects  $\leq 2x$ LOQ	Not detected	No qualification
		$< 2x$ LOQ	Report sample LOQ value with a U
		$\geq 2x$ LOQ and $\leq 4x$ the LOQ	Report the sample result with a U**
		$\geq 4x$ the LOQ	No qualifications
	> 2x LOQ	$<$ LOD	Report sample LOD value with a U**
		$\geq$ LOD and $< 2x$ LOQ	Report sample LOQ value with a U
		$\geq 2x$ LOQ and $<$ blank contamination	Report the blank result with a U or reject the sample result as unusable R
		$\geq 2x$ LOQ and $\geq$ blank contamination	If the result is $\leq 2x$ blank result, report the sample result U.** If the result is $> 2x$ blank result, no qualification is required. **

\*\*Based on Resolution Consultants professional judgment

<b>For all other compounds:</b>			
<b>Blank type</b>	<b>Blank result</b>	<b>Sample result</b>	<b>Action for samples</b>
Method, Storage, Trip, Field, or Equipment	Detects  $< 2x$ LOQ	Not detected	No qualification
		$< 2x$ LOQ	Report sample LOQ value with a U
		$\geq 2x$ LOQ	Use professional judgment
	> 2x LOQ	$< 2x$ LOQ	Report sample LOQ value with a U
		$\geq 2x$ LOQ and $<$ blank contamination	Report the blank result with a U or reject the sample result as unusable R
		$\geq 2x$ LOQ and $\geq$ blank contamination	If the result is $\leq 2x$ blank result, report the sample result U. If the result is $> 2x$ blank result, no qualification is required.
	= 2x LOQ	$< 2x$ LOQ	Report sample LOQ value with a U
		$\geq 2x$ LOQ	Use professional judgment
	Gross contamination	Detects	Qualify results as unusable R

**Notes:**

LOQ = Limit of quantitation  
 LOD = Limit of detection  
 U = Undetected  
 R = Rejected

Lab blank and trip blank non-conformances are summarized in Attachment A in Table's A-4 and A-5.

### **Matrix Spike/Matrix Spike Duplicate (MS/MSD) Results**

MS/MSDs are generated to provide information about the effect of each sample matrix on the sample preparation and the measurement methodology. MS/MSD percent recoveries (%Rs) assess the effect of the sample matrix on the accuracy of the analytical results and %Rs above the laboratory control

limit could indicate a potential high result bias while %Rs below QC limits could indicate a potential low result bias. The relative percent differences (RPDs) between the MS and MSD results are evaluated to assess sample precision. The MS/MSD %Rs and RPDs were reviewed for conformance with the QC acceptance criteria. Data qualification to the analytes associated with the specific MS/MSD non-conformances were as follows:

### **MS/MSD Non-conformances Chart:**

Criteria	Action	
	Detected Compounds	Non-detected Compounds
%R>Upper Limit	J	No qualification
20% ≤ %R < Lower Limit	J	UJ
%R <20%	J	Rejected

**Notes:**

- %R = Percent recovery  
 RPD = Relative percent difference  
 J = Estimated  
 UJ = Undetected and estimated

MS/MSD non-conformances are summarized in Attachment A in Table A-6.

### **Laboratory Control Samples / Laboratory Control Sample Duplicate**

LCS %Rs is used to monitor the overall accuracy and performance of each step during analysis, including sample preparation. The laboratory analyzed LCSs in duplicate when matrix spike/matrix spike duplicates were not reported. In these instances, the laboratory determined precision between the duplicated values. Data qualification to the analytes associated with the specific LCS/LCS duplicate was as follows:

### **Laboratory Control Sample / Laboratory Control Sample Duplicate Non-conformance Chart:**

Criteria	Action	
	Detected	Non-detected
% R or RPD > UL	J	No qualification
%R < LL	J	UJ
%R < 20%	J	Rejected

**Notes:**

- %R = Percent recovery  
 RPD = Relative percent difference  
 UL = Upper limit  
 LL = Lower limit  
 J = Estimated  
 UJ = Undetected and estimated

Non-conformance is summarized in Attachment A in Table A-7.

### **Field Duplicate**

Three field duplicate pairs were collected to assess precision: VPB163-SOIL-122115-223-225/VPB163-SOIL-DUP-122115, VPB163-GW-122115-198-200/VPB163-GWD-122115, and VPB163-GW-010516-538-540/VPB163-GWD-010516. Field duplicate RPDs were reviewed for conformance with the Resolution Consultants QC criteria of  $\leq 30\%$  for aqueous matrices and  $\leq 50\%$  for solid matrices. These criteria apply if both results were greater than two times the limit of quantitation (LOQ). Data qualification to the analytes associated with the specific field duplicate RPDs was as follows:

### **Field Duplicate Non-conformances Chart:**

<b>Criteria</b>	<b>RPD</b>	<b>Action</b>	
		<b>Detected</b>	<b>Non-</b>
Sample and duplicate are non-detect	Not calculable (NC)	No qualification	No qualification
Sample and duplicate results $>2x$ LOQ	$>30$ (aqueous)	J	Not Applicable
	$>50$ (solids)		
If sample or duplicate result is $>2x$ LOQ and the other is not detected	NC	J	UJ
If sample or duplicate result is $<2x$ LOQ and the other is not detected	NC	No qualification	No qualification

**Notes:**

LOQ = Limit of quantitation  
 J = Estimated  
 UJ = Undetected and estimated

Field duplicate non-conformances are summarized in Attachment A in Table A-8.

### **Qualifications Actions**

The data were reviewed independently from the laboratory to assess data quality. All compounds detected at concentrations less than the limit of quantitation but greater than the method detection limit were qualified by the laboratory as estimated (J). This "J" qualifier was retained during data validation. Any sample that was analyzed at a dilution because of high concentrations of target or non-target analytes was checked to confirm that the results and/or sample-specific limit of quantitation and limit of detections were adjusted accordingly by the laboratory.

No results were rejected; therefore, analytical completeness was calculated to be 100 percent. Data not qualified during data review are considered usable by the project. The remaining results qualified as estimated may be high or low, but the data are usable for their intended purpose, according to

U.S. EPA and Department of Defense guidelines. Final data review qualifiers used to describe results and how they should be interpreted by the end data user are provided in Attachment B and Attachment C. Attachment D provides final results after data review.

## **ATTACHMENTS**

Attachment A: Non-Conformance Summary Tables

Attachment B: Qualifier Codes and Explanations

Attachment C: Reason Codes and Explanations

Attachment D: Final Results after Data Review

**Attachment A**  
**Non-Conformance Summary Tables**

**Table A-1**  
**Initial Calibration Non-Conformance**

<b>SDG</b>	<b>Method</b>	<b>Analyte</b>	<b>Instrument ID/ Date</b>	<b>%RSD</b>	<b>Limit</b>	<b>Associated Samples</b>	<b>Qualifiers</b>
SJ0035	8260C	TETRACHLOROETHENE	GCMS-P 12/28/2015	<b>15.13611</b>	<15%	All samples in SDG	Detects: J Non-detects: UJ
SJ0150	8260C	TETRACHLOROETHENE	GCMS-P 12/28/2015	<b>15.13611</b>	<15%	All samples in SDG	Detects: J Non-detects: UJ
SJ0227	8260C	TETRACHLOROETHENE	GCMS-P 12/28/2015	<b>15.13611</b>	<15%	All samples in SDG	Detects: J Non-detects: UJ
SJ0344	8260C	ACETONE	GCMS-C / 01/12/2016	<b>15.55622</b>	<15%	All samples in SDG	Detects: J Non-detects: UJ
SJ0411	8260C	TETRACHLOROETHENE	GCMS-P 12/28/2015	<b>15.13611</b>	<15%	All samples in SDG	Detects: J Non-detects: UJ
SJ0528	8260C	ACETONE	GCMS-C / 01/12/2016	<b>15.55622</b>	<15%	All samples in SDG	Detects: J Non-detects: UJ
TI0459	8260C	TETRACHLOROETHENE	GCMS-P 12/28/2015	<b>15.13611</b>	<15%	All samples in SDG	Detects: J Non-detects: UJ

**Notes:**

SDG = Sample delivery group  
 %RSD = Relative standard deviation  
 GCMS = Gas chromatography mass spectrometer  
**Bold** = Outside control limits  
 J = Detected estimated value  
 UJ = Non-detect estimated value

**Table A-2**  
**Initial Calibration Verification Non-Conformance**

<b>SDG</b>	<b>Method</b>	<b>Analyte</b>	<b>ICV ID</b>	<b>%R</b>	<b>Limit</b>	<b>Associated Samples</b>	<b>Qualifier</b>
SJ0035	8260C	ACETONE	P4114A.D	<b>72.62</b>	80-120	All samples in SDG	Detects: J Non-detects: UJ
SJ0150	8260C	ACETONE	P4114A.D	<b>72.62</b>	80-120	All samples in SDG	Detects: J Non-detects: UJ
SJ0227	8260C	ACETONE	P4114A.D	<b>72.62</b>	80-120	All samples in SDG	Detects: J Non-detects: UJ
SJ0344	8260C	DICHLORODIFLUOROMETHANE	C6583.D	<b>73.3</b>	80-120	All samples in SDG	Detects: J Non-detects: UJ
SJ0344	8260C	ACETONE	C6583.D	<b>126.74</b>	80-120	All samples in SDG	Detects: J Non-detects: UJ
SJ0344	8260C	2-BUTANONE	C6583.D	<b>137.92</b>	80-120	All samples in SDG	Detects: J Non-detects: UJ
SJ0344	8260C	4--METHYL-2-PENTANONE	C6583.D	<b>141.53</b>	80-120	All samples in SDG	Detects: J Non-detects: UJ
SJ0344	8260C	2-HEXANONE	C6583.D	<b>147.13</b>	80-120	All samples in SDG	Detects: J Non-detects: UJ
SJ0411	8260C	ACETONE	P4114A.D	<b>72.62</b>	80-120	All samples in SDG	Detects: J Non-detects: UJ
SJ0528	8260C	DICHLORODIFLUOROMETHANE	C6583.D	<b>73.3</b>	80-120	All samples in SDG	Detects: J Non-detects: UJ
SJ0528	8260C	ACETONE	C6583.D	<b>126.74</b>	80-120	All samples in SDG	Detects: J Non-detects: UJ
SJ0528	8260C	2-BUTANONE	C6583.D	<b>137.92</b>	80-120	All samples in SDG	Detects: J Non-detects: UJ
SJ0528	8260C	4-METHYL-2-PENTANONE	C6583.D	<b>141.53</b>	80-120	All samples in SDG	Detects: J Non-detects: UJ
SJ0528	8260C	2-HEXANONE	C6583.D	<b>147.13</b>	80-120	All samples in SDG	Detects: J Non-detects: UJ
SJ0690	8260C	CARBON DISULFIDE	C6779.D	<b>126.13</b>	80-120	VPB163-GW-012616-918-920 VPB163-GW-012716-938-940 VPB163-GW-012716-958-960 VPB163-TB-012616	Detects: J Non-detects: UJ
SJ0690	8260C	ACETONE	C6779.D	<b>178.26</b>	80-120	VPB163-GW-012616-918-920 VPB163-GW-012716-938-940 VPB163-GW-012716-958-960 VPB163-TB-012616	Detects: J Non-detects: UJ
SJ0690	8260C	1,2-DIBROMO-3-CHLOROPROPANE	C6779.D	<b>170.21</b>	80-120	VPB163-GW-012616-918-920 VPB163-GW-012716-938-940 VPB163-GW-012716-958-960 VPB163-TB-012616	Detects: J Non-detects: UJ
SJ0690	8260C	2-BUTANONE	C6779.D	<b>170.21</b>	80-120	VPB163-GW-012616-918-920 VPB163-GW-012716-938-940 VPB163-GW-012716-958-960 VPB163-TB-012616	Detects: J Non-detects: UJ

**Table A-2**  
**Initial Calibration Verification Non-Conformance**

<b>SDG</b>	<b>Method</b>	<b>Analyte</b>	<b>ICV ID</b>	<b>%R</b>	<b>Limit</b>	<b>Associated Samples</b>	<b>Qualifier</b>
SJ0690	8260C	4-METHYL-2-PENTANONE	C6779.D	<b>152.91</b>	80-120	VPB163-GW-012616-918-920 VPB163-GW-012716-938-940 VPB163-GW-012716-958-960 VPB163-TB-012616	Detests: J Non-detects: UJ
SJ0690	8260C	2-HEXANONE	C6779.D	<b>171.82</b>	80-120	VPB163-GW-012616-918-920 VPB163-GW-012716-938-940 VPB163-GW-012716-958-960 VPB163-TB-012616	Detests: J Non-detects: UJ
TI0459	8260C	ACETONE	P4114.A.D	<b>72.62</b>	80-120	All samples in SDG	Detests: J Non-detects: UJ
TI0216	8260C	DICHLORODIFLUOROMETHANE	T5935.D	<b>162.37</b>	80-120	All samples in SDG	Detests: J Non-detects: UJ
TI0216	8260C	CHLOROMETHANE	T5935.D	<b>121.19</b>	80-120	All samples in SDG	Detests: J Non-detects: UJ
TI0216	8260C	VINYL CHLORIDE	T5935.D	<b>133.85</b>	80-120	All samples in SDG	Detests: J Non-detects: UJ
TI0216	8260C	TRICHLOROFLUOROMETHANE	T5935.D	<b>135.28</b>	80-120	All samples in SDG	Detests: J Non-detects: UJ
TI0291	8260C	TETRACHLOROETHENE	P3840.D	<b>150.8</b>	80-120	All samples in SDG	Detests: J Non-detects: UJ
TI0383	8260C	ACETONE	P4114.A.D	<b>72.62</b>	80-120	All samples in SDG	Detests: J Non-detects: UJ

**Notes:**

- SDG = Sample delivery group  
 ICV = Initial calibration verification  
 %R = Percent recovery  
**Bold** = Outside control limits  
 J = Detected estimated value  
 UJ = Non-detect estimated value

**Table A-3**  
**Continuing Calibration Verification Non-Conformance**

SDG	Lab ID /Calibration ID	Analyte	%D	%D Limit	Associated Samples	Qualifier
SJ0150	WG177155-4 / P4306.D	ACETONE	<b>-21.16617</b>	+/- 20	All samples in SDG	Detects: J Non-detects: UJ
SJ0344	WG177512-4 / C6614.D	1,2-DIBROMO-3-CHLOROPROPANE	<b>20.53075</b>	+/- 20	All samples in SDG	Detects: J Non-detects: UJ
SJ0411	WG177684-4 / P4430.D	DICHLORODIFLUOROMETHANE	<b>21.65656</b>	+/- 20	All samples in SDG	Detects: J Non-detects: UJ
SJ0411	WG177684-4 / P4430.D	BROMOMETHANE	<b>20.94324</b>	+/- 20	All samples in SDG	Detects: J Non-detects: UJ
SJ0528	WG177865-4 / GCMS-C	CHLOROMETHANE	<b>-20.69154</b>	+/- 20	All samples in SDG	Detects: J Non-detects: UJ
SJ0528	WG177865-4 / GCMS-C	CHLOROETHANE	<b>21.84821</b>	+/- 20	All samples in SDG	Detects: J Non-detects: UJ
SJ0690	WG178183-4 / GCMS-C	TETRACHLOROETHENE	<b>-24.13647</b>	+/- 20	VPB163-GW-012616-918-920 VPB163-GW-012716-938-940 VPB163-GW-012716-958-960 VPB163-TB-012616	Detects: J Non-detects: UJ
TI0459	WG176927-4 / P4215.D	DICHLORODIFLUOROMETHANE	<b>-29.24389</b>	+/- 20	All samples in SDG	Detects: J Non-detects: UJ
TI0459	WG176927-4 / P4215.D	1,1-DICHLOROETHENE	<b>-20.28144</b>	+/- 20	All samples in SDG	Detects: J Non-detects: UJ
TI0459	WG176927-4 / P4215.D	CHLOROMETHANE	<b>-26.55384</b>	+/- 20	All samples in SDG	Detects: J Non-detects: UJ
TI0459	WG176927-4 / P4215.D	CHLOROETHANE	<b>-26.51066</b>	+/- 20	All samples in SDG	Detects: J Non-detects: UJ
TI0459	WG176927-4 / P4215.D	CARBON DISULFIDE	<b>-22.97831</b>	+/- 20	All samples in SDG	Detects: J Non-detects: UJ
TI0459	WG176927-4 / P4215.D	ACETONE	<b>-26.54696</b>	+/- 20	All samples in SDG	Detects: J Non-detects: UJ
TI0459	WG176927-4 / P4215.D	VINYL CHLORIDE	<b>-22.30837</b>	+/- 20	All samples in SDG	Detects: J Non-detects: UJ
TI0216	WG176463-4 / GCMS-T	DICHLORODIFLUOROMETHANE	<b>29.29626</b>	+/- 20	All samples in SDG	Detects: J Non-detects: UJ
TI0216	WG176463-4 / GCMS-T	TRICHLOROFLUOROMETHANE	<b>20.32873</b>	+/- 20	All samples in SDG	Detects: J Non-detects: UJ
TI0291	WG176617-4 / GCMS-P	CHLOROETHANE	<b>21.44437</b>	+/- 20	All samples in SDG	Detects: J Non-detects: UJ
TI0291	WG176617-4 / GCMS-P	4-METHYL-2-PENTANONE	<b>21.73965</b>	+/- 20	All samples in SDG	Detects: J Non-detects: UJ
TI0291	WG176617-4 / GCMS-P	TETRACHLOROETHENE	<b>-21.36358</b>	+/- 20	All samples in SDG	Detects: J Non-detects: UJ
TI0383	WG176780-4 / GCMS-P	ACETONE	<b>-32.1413</b>	+/- 20	All samples in SDG	Detects: J Non-detects: UJ

**Notes:**

- SDG = Sample delivery group  
 %D = Percent difference  
**Bold** = Outside control limit  
 UJ = Non-detect estimated value  
 J = Detected estimated value

**Table A-4**  
**Lab Blank Non-Conformance**

<b>Blank</b>	<b>Batches</b>	<b>Analyte</b>	<b>Blank Result</b>	<b>Units</b>	<b>Detected Associated Samples</b>	<b>Qualifier</b>
WG177533-1-SJ0150	WG177533	TOTAL ORGANIC CARBON	0.18	MG_L	VPB163-EB-010616	U
WG177512-2-SJ0344	WG177512	CARBON DISULFIDE	0.48	UG_L	VPB163-GW-011216-658-660 VPB163-GW-011216-678-680 VPB163-GW-011316-698-700 VPB163-GW-011316-718-720 VPB163-GW-011416-738-740 VPB163-TB-011216	U
WG178183-2-SJ0690	WG178183	CARBON DISULFIDE	0.49	UG_L	VPB163-GW-012616-918-920 VPB163-GW-012716-938-940 VPB163-GW-012716-958-960 VPB163-TB-012616	U
WG176479-1-TI0216	WG176479	TOTAL ORGANIC CARBON	0.10	MG_L	VPB163-FB-121515	U

**Notes:**

MG\_L = Milligram per liter

UG\_L = Microgram per liter

U = Associated sample qualified non-detect "U".

Table A-5 Trip Blank Non-Conformance									
SDG	Blank	Lab Sample ID	Method	Analyte	Blank Result	QL	Units	Detected Associated Samples	Qualifier
SJ0227	VPB163-TB-010816	SJ0227-1	8260C	ACETONE	2.4	5	UG_L	VPB163-GW-010816-603-605 VPB163-GW-011116-618-620	U
SJ0344	VPB163-TB-011216	SJ0344-1	8260C	ACETONE	3.3	5.0	UG_L	VPB163-GW-011216-658-660	None (a)
								VPB163-GW-011216-678-680	None (a)
								VPB163-GW-011316-698-700	None (a)
								VPB163-GW-011416-738-740	U
								VPB163-GW-011216-658-660 VPB163-GW-011216-678-680 VPB163-GW-011316-698-700 VPB163-GW-011316-718-720	U
SJ0344	VPB163-TB-011216	SJ0344-1	8260C	CARBON DISULFIDE	0.38	1.0	UG_L	VPB163-GW-011416-738-740	U
SJ0690	VPB163-TB-012616	SJ0690-1	8260C	CARBON DISULFIDE	0.48	1.0	UG_L	VPB163-GW-012616-918-920 VPB163-GW-012716-938-940 VPB163-GW-012716-958-960	U

**Notes:**

SDG = Sample delivery group  
 QL = Quantitation limit  
 UG\_L = Micrograms per liter  
 None (a) = No qualifier applied to associated sample. Professional judgement used: blank was < 2 times the LOQ and associated sample result was > 2 times the LOQ.  
 U = Sample qualified non-detected

**Table A-6**  
**Matrix Spike / Matrix Spike Duplicate Non-Conformance**

<b>SDG</b>	<b>Method</b>	<b>Spiked Sample</b>	<b>Analyte</b>	<b>Sample Result (<math>\mu</math>g/L)</b>	<b>Spike Added</b>	<b>MS %R</b>	<b>MSD %R</b>	<b>%R Limits</b>	<b>%R Limits</b>	<b>RPD</b>	<b>RPD Limit</b>	<b>Qualifiers</b>
SJ0150	8260C	VPB163-GW-010516-538-540	2-HEXANONE	<2.5	50.0	<b>27.2</b>	66.4	55	130	<b>84</b>	30	J
SJ0150	8260C	VPB163-GW-010516-538-540	METHYLENE CHLORIDE	<2.5	50.0	<b>46.4</b>	75.2	55	140	<b>47</b>	30	J
SJ0150	8260C	VPB163-GW-010516-538-540	CIS-1,2-DICHLOROETHENE	<0.50	50.0	<b>48.6</b>	81.4	70	125	<b>50</b>	30	J
SJ0150	8260C	VPB163-GW-010516-538-540	DICHLORODIFLUOROMETHANE	<1.0	50.0	52.4	87.2	30	155	<b>50</b>	30	None (a)
SJ0150	8260C	VPB163-GW-010516-538-540	1,2,4-TRICHLOROBENZENE	<0.50	50.0	<b>49.8</b>	91.6	65	135	<b>59</b>	30	J
SJ0150	8260C	VPB163-GW-010516-538-540	CHLOROBENZENE	<0.50	50.0	<b>50.6</b>	86.4	80	120	<b>52</b>	30	J
SJ0150	8260C	VPB163-GW-010516-538-540	CHLOROETHANE	<1.0	50.0	<b>51</b>	82.8	60	135	<b>48</b>	30	J
SJ0150	8260C	VPB163-GW-010516-538-540	BROMOMETHANE	<1.0	50.0	50.4	92.6	30	145	<b>59</b>	30	None (a)
SJ0150	8260C	VPB163-GW-010516-538-540	1,1-DICHLOROETHANE	<0.50	50.0	<b>52.4</b>	88.2	70	135	<b>51</b>	30	J
SJ0150	8260C	VPB163-GW-010516-538-540	CIS-1,3-DICHLOROPROPENE	<0.50	50.0	<b>46.2</b>	85	70	130	<b>59</b>	30	J
SJ0150	8260C	VPB163-GW-010516-538-540	1,2-DIBROMO-3-CHLOROPROPANE	<0.75	50.0	<b>45.2</b>	78.8	50	130	<b>54</b>	30	J
SJ0150	8260C	VPB163-GW-010516-538-540	METHYL ACETATE	<0.75	50.0	<b>33.4</b>	<b>43.4</b>	70	132	26	30	J
SJ0150	8260C	VPB163-GW-010516-538-540	ISOPROPYLBENZENE	<0.50	50.0	<b>53.2</b>	95.6	75	125	<b>57</b>	30	J
SJ0150	8260C	VPB163-GW-010516-538-540	TRANS-1,2-DICHLOROETHENE	<0.50	50.0	<b>51</b>	88.2	60	140	<b>53</b>	30	J
SJ0150	8260C	VPB163-GW-010516-538-540	BENZENE	<0.50	50.0	<b>52.4</b>	86.4	80	120	<b>49</b>	30	J
SJ0150	8260C	VPB163-GW-010516-538-540	1,2-DICHLOROPROPANE	<0.50	50.0	<b>47.6</b>	83	75	125	<b>54</b>	30	J
SJ0150	8260C	VPB163-GW-010516-538-540	O-XYLENE	<0.50	50.0	<b>54</b>	95.8	80	120	<b>56</b>	30	J
SJ0150	8260C	VPB163-GW-010516-538-540	VINYL CHLORIDE	<1.0	50.0	54	89	50	145	<b>49</b>	30	None (a)
SJ0150	8260C	VPB163-GW-010516-538-540	ACETONE	<b>3.3</b>	50.0	<b>31.4</b>	58.6	40	140	<b>53</b>	30	J
SJ0150	8260C	VPB163-GW-010516-538-540	1,3-DICHLOROBENZENE	<0.50	50.0	<b>49.6</b>	85.4	75	125	<b>53</b>	30	J
SJ0150	8260C	VPB163-GW-010516-538-540	1,1-DICHLOROETHENE	<0.50	50.0	<b>47.8</b>	79.6	70	130	<b>50</b>	30	J
SJ0150	8260C	VPB163-GW-010516-538-540	1,1,2-TRICHLOROETHANE	<0.50	50.0	<b>51</b>	85.2	75	125	<b>50</b>	30	J
SJ0150	8260C	VPB163-GW-010516-538-540	CYCLOHEXANE	<0.50	50.0	<b>57.4</b>	100	71	133	<b>54</b>	30	J
SJ0150	8260C	VPB163-GW-010516-538-540	TOLUENE	<0.50	50.0	<b>51.2</b>	86.6	75	120	<b>51</b>	30	J
SJ0150	8260C	VPB163-GW-010516-538-540	TRICHLOROFLUOROMETHANE	<1.0	50.0	<b>58</b>	97.4	60	145	<b>51</b>	30	J
SJ0150	8260C	VPB163-GW-010516-538-540	CARBON TETRACHLORIDE	<0.50	50.0	<b>55.2</b>	97.8	65	140	<b>56</b>	30	J
SJ0150	8260C	VPB163-GW-010516-538-540	1,2-DICHLOROETHANE	<0.50	50.0	<b>50.8</b>	85.8	70	130	<b>51</b>	30	J
SJ0150	8260C	VPB163-GW-010516-538-540	1,2-DICHLOROETHENE, TOTAL	<1.0	100	<b>49.8</b>	84.8	84	121	<b>52</b>	30	J
SJ0150	8260C	VPB163-GW-010516-538-540	TRANS-1,3-DICHLOROPROPENE	<0.50	50.0	<b>46.6</b>	82.8	55	140	<b>56</b>	30	J
SJ0150	8260C	VPB163-GW-010516-538-540	XYLENES, TOTAL	<1.5	150	<b>53.2</b>	94	89	116	<b>55</b>	30	J
SJ0150	8260C	VPB163-GW-010516-538-540	METHYL CYCLOHEXANE	<0.50	50.0	<b>47.6</b>	<b>54.6</b>	73	125	14	30	J
SJ0150	8260C	VPB163-GW-010516-538-540	STYRENE	<0.50	50.0	<b>50.6</b>	88.2	65	135	<b>54</b>	30	J
SJ0150	8260C	VPB163-GW-010516-538-540	CHLOROMETHANE	<1.0	50.0	50.4	82.6	40	125	<b>48</b>	30	None (a)
SJ0150	8260C	VPB163-GW-010516-538-540	METHYL TERT-BUTYL ETHER	<0.50	100	<b>40</b>	<b>63.1</b>	65	125	<b>45</b>	30	J

Table A-6 Matrix Spike / Matrix Spike Duplicate Non-Conformance												
SDG	Method	Spiked Sample	Analyte	Sample Result ( $\mu\text{g/L}$ )	Spike Added	MS %R	MSD %R	%R Limits	%R Limits	RPD	RPD Limit	Qualifiers
SJ0150	8260C	VPB163-GW-010516-538-540	DIBROMOCHLOROMETHANE	<0.50	50.0	<b>52.6</b>	90.2	60	135	<b>53</b>	30	J
SJ0150	8260C	VPB163-GW-010516-538-540	4-METHYL-2-PENTANONE	<2.5	50.0	<b>46</b>	87.6	60	135	<b>62</b>	30	J
SJ0150	8260C	VPB163-GW-010516-538-540	1,4-DICHLOROBENZENE	<0.50	50.0	<b>48</b>	84.4	75	125	<b>55</b>	30	J
SJ0150	8260C	VPB163-GW-010516-538-540	TETRACHLOROETHENE	<0.50	50.0	46.8	80.8	45	150	<b>53</b>	30	None (a)
SJ0150	8260C	VPB163-GW-010516-538-540	ETHYLBENZENE	<0.50	50.0	<b>52.4</b>	91	75	125	<b>54</b>	30	J
SJ0150	8260C	VPB163-GW-010516-538-540	M- AND P-XYLENE	<1.0	100	<b>52.8</b>	93.2	75	130	<b>55</b>	30	J
SJ0150	8260C	VPB163-GW-010516-538-540	BROMOFORM	<0.50	50.0	<b>51</b>	92.2	70	130	<b>58</b>	30	J
SJ0150	8260C	VPB163-GW-010516-538-540	CARBON DISULFIDE	<0.50	50.0	52.4	90.2	35	160	<b>53</b>	30	None (a)
SJ0150	8260C	VPB163-GW-010516-538-540	BROMODICHLOROMETHANE	<0.50	50.0	<b>51.6</b>	86.6	75	120	<b>51</b>	30	J
SJ0150	8260C	VPB163-GW-010516-538-540	CHLOROFORM	<0.50	50.0	<b>50.4</b>	83.6	65	135	<b>50</b>	30	J
SJ0150	8260C	VPB163-GW-010516-538-540	1,1,1-TRICHLOROETHANE	<0.50	50.0	<b>49</b>	88	65	130	<b>57</b>	30	J
SJ0150	8260C	VPB163-GW-010516-538-540	1,2-DIBROMOETHANE	<0.50	50.0	<b>51</b>	86.8	80	120	<b>52</b>	30	J
SJ0150	8260C	VPB163-GW-010516-538-540	1,1,2,2-TETRACHLOROETHANE	<0.50	50.0	<b>48.2</b>	84.2	65	130	<b>54</b>	30	J
SJ0150	8260C	VPB163-GW-010516-538-540	1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	<0.50	50.0	<b>41.2</b>	<b>46.4</b>	73	126	12	30	J
SJ0150	8260C	VPB163-GW-010516-538-540	1,2-DICHLOROBENZENE	<0.50	50.0	<b>49.6</b>	87.2	70	120	<b>55</b>	30	J
SJ0150	8260C	VPB163-GW-010516-538-540	TRICHLOROETHENE	<0.50	50.0	<b>50.4</b>	83.8	70	125	<b>50</b>	30	J
SJ0150	8260C	VPB163-GW-010516-538-540	2-BUTANONE	<2.5	50.0	44	76.6	30	150	<b>54</b>	30	None (a)

**Notes:**

- MS = Matrix spike  
 MSD = Matrix spike duplicate  
 $\mu\text{g/L}$  = Micrograms per liter  
 %R = Percent recovery  
**Bold** = Outside control limits  
 J = Estimated  
 None (a) = No qualification applied, RPD is greater than the acceptance limit and the unspiked parent sample is non-detect.

Table A-7 Laboratory Control Sample / Laboratory Control Sample Duplicate Non-Conformance									
<b>SDG</b>	<b>Method</b>	<b>LCS</b>	<b>Batch</b>	<b>Analyte</b>	<b>%R</b>	<b>Lower Limits</b>	<b>Upper Limits</b>	<b>Associated Samples</b>	<b>Qualifiers</b>
SJ0528	8260C	WG177865-1-SJ0528	PREP: WG177865	4-METHYL-2-PENTANONE	<b>136</b>	60	135	All samples in SDG	None (a)
SJ0528	8260C	WG177865-1-SJ0528	PREP: WG177865	2-HEXANONE	<b>138</b>	55	130	All samples in SDG	None (a)
SJ0528	8260C	WG177865-1-SJ0528	PREP: WG177865	ACETONE	<b>147</b>	40	140	All samples in SDG	VPB163-GW-011916-838-840: J

**Notes:**

SDG = Sample delivery group  
 LCS = Laboratory control sample  
 %R = Percent recovery  
**Bold** = Outside control limits  
 None (a) = No qualification applied. %R is greater than the upper control limit and the associated samples are non-detect for the analyte.  
 J = Estimated value

Table A-8 Field Duplicate Non-Conformance									
SDG	Analyte	Sample ID	Dup ID	Sample Result	Dup Result	Units	RPD	RPD >50?	Qualifier
TI0291	TOTAL ORGANIC CARBON	VPB163-SOIL-122115-223-225	VPB163-SOIL-DUP-122115	710	1900	UG_G	91.2	Yes	J

**Notes:**

SDG = Sample delivery group  
 RPD = Relative percent difference  
 J = Estimated value

**Attachment B**  
**Qualifier Codes and Explanations**

<b>Qualifier</b>	<b>Explanation</b>
J	The analyte was positively identified; the associated numerical value is the approximate concentration of the analyte in the sample.
UJ	The analyte was not detected above the reported sample quantitation limit. However, the reported quantitation limit is approximate and may or may not represent the actual quantitation limit necessary to accurately and precisely measure the analyte in the sample.
U	The analyte was analyzed for, but was not detected above the reported sample quantitation limit.

**Attachment C**  
**Reason Codes and Explanations**

<b>Reason Code</b>	<b>Explanation</b>
be	Equipment blank contamination
bf	Field blank contamination
bl	Laboratory blank contamination
bm	Missing blank information
bt	Trip blank contamination
c	Calibration issue
cr	Chromatographic resolution
d	Reporting limit raised due to chromatographic interference
dt	Dissolved result > total over limit
e	Ether interference
ej	Above calibration range; result estimated.
f	Presumed contamination from FB or ER.
fd	Field duplicate RPDs
h	Holding times
hs	Headspace greater than 6mm in all sample vials
i	Internal standard areas
ii	Injection internal standard area or retention time exceedance
it	Instrument tune
k	Estimated maximum possible concentrations (EMPC)
l	LCS recoveries
lc	Labeled compound recovery
ld	Laboratory duplicate RPDs
lp	Laboratory control sample/laboratory control sample duplicate RPDs
m	Matrix spike recovery
mc	Deviation from the method
md	MS/MSD RPDs
nb	Negative laboratory blank contamination
p	Chemical preservation issue
p-h	Uncertainty near detection limit (< Reporting Limit), historical reason code applied.
pe	Post Extraction Spike
q	Quantitation issue
r	Dual column RPD
rt	SIM ions not within + 2 seconds
s	Surrogate recovery
sp	Sample preparation issue
su	Evidence of ion suppression
t	Temperature Preservation Issue
x	Low % solids
y	Serial dilution results
z	ICS results

**Attachment D**  
**Final Results after Data Review**

Final Results after Data Review  
NWIRP Bethpage OU 2 Regional Groundwater Investigation

Method	Analyte	CAS No	Units	Sample Delivery Group		
				Lab ID	SJ0035	SJ0035-1
				Sample Date	VPB163-TB-123115	12/31/2015
				Sample Type	Trip Blank	
5310B	TOTAL ORGANIC CARBON	-28	MG L	NA		
8260C	1,1,1-TRICHLOROETHANE	71-55-6	UG L	0.5	U	
8260C	1,1,2,2-TETRACHLOROETHANE	79-34-5	UG L	0.5	U	
8260C	1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	76-13-1	UG L	0.5	U	
8260C	1,1,2-TRICHLOROETHANE	79-00-5	UG L	0.5	U	
8260C	1,1-DICHLOROETHANE	75-34-3	UG L	0.5	U	
8260C	1,1-DICHLOROETHENE	75-35-4	UG L	0.5	U	
8260C	1,2,4-TRICHLOROBENZENE	120-82-1	UG L	0.5	U	
8260C	1,2-DIBROMO-3-CHLOROPROPANE	96-12-8	UG L	0.75	U	
8260C	1,2-DIBROMOETHANE	106-93-4	UG L	0.5	U	
8260C	1,2-DICHLOROBENZENE	95-50-1	UG L	0.5	U	
8260C	1,2-DICHLOROETHANE	107-06-2	UG L	0.5	U	
8260C	1,2-DICHLOROETHENE, TOTAL	540-59-0	UG L	1	U	
8260C	1,2-DICHLOROPROPANE	78-87-5	UG L	0.5	U	
8260C	1,3-DICHLOROBENZENE	541-73-1	UG L	0.5	U	
8260C	1,4-DICHLOROBENZENE	106-46-7	UG L	0.5	U	
8260C	2-BUTANONE	78-93-3	UG L	2.5	U	
8260C	2-HEXANONE	591-78-6	UG L	2.5	U	
8260C	4-METHYL-2-PENTANONE	108-10-1	UG L	2.5	U	
8260C	ACETONE	67-64-1	UG L	2.5	UJ	C
8260C	BENZENE	71-43-2	UG L	0.5	U	
8260C	BROMODICHLOROMETHANE	75-27-4	UG L	0.5	U	
8260C	BROMOFORM	75-25-2	UG L	0.5	U	
8260C	BROMOMETHANE	74-83-9	UG L	1	U	
8260C	CARBON DISULFIDE	75-15-0	UG L	0.5	U	
8260C	CARBON TETRACHLORIDE	56-23-5	UG L	0.5	U	
8260C	CHLOROBENZENE	108-90-7	UG L	0.5	U	
8260C	CHLOROETHANE	75-00-3	UG L	1	U	
8260C	CHLOROFORM	67-66-3	UG L	0.5	U	
8260C	CHLOROMETHANE	74-87-3	UG L	1	U	
8260C	CIS-1,2-DICHLOROETHENE	156-59-2	UG L	0.5	U	
8260C	CIS-1,3-DICHLOROPROPENE	10061-01-5	UG L	0.5	U	
8260C	CYCLOHEXANE	110-82-7	UG L	0.5	U	
8260C	DIBROMOCHLOROMETHANE	124-48-1	UG L	0.5	U	
8260C	DICHLORODIFLUOROMETHANE	75-71-8	UG L	1	U	
8260C	ETHYL BENZENE	100-41-4	UG L	0.5	U	
8260C	ISOPROPYL BENZENE	98-82-8	UG L	0.5	U	
8260C	M- AND P-XYLENE	108-38-3/106-42	UG L	1	U	
8260C	METHYL ACETATE	79-20-9	UG L	0.75	U	
8260C	METHYL CYCLOHEXANE	108-87-2	UG L	0.5	U	
8260C	METHYL TERT-BUTYL ETHER	1634-04-4	UG L	0.5	U	
8260C	METHYLINE CHLORIDE	75-09-2	UG L	2.5	U	
8260C	O-XYLENE	95-47-6	UG L	0.5	U	
8260C	STYRENE	100-42-5	UG L	0.5	U	
8260C	TETRACHLOROETHENE	127-18-4	UG L	0.5	UJ	C
8260C	TOLUENE	108-88-3	UG L	0.5	U	
8260C	TRANS-1,2-DICHLOROETHENE	156-60-5	UG L	0.5	U	
8260C	TRANS-1,3-DICHLOROPROPENE	10061-02-6	UG L	0.5	U	
8260C	TRICHLOROETHENE	79-01-6	UG L	0.5	U	
8260C	TRICHLOROFUOROMETHANE	75-69-4	UG L	1	U	
8260C	VINYL CHLORIDE	75-01-4	UG L	1	U	
8260C	XYLENES, TOTAL	1330-20-7	UG L	1.5	U	

*Notes:*

- NA = Not Analyzed
- MG\_L = Milligrams per liter
- UG\_L = Micrograms per liter
- Qual = Final qualifiers (See Attachment B)
- RC = Reason codes (See Attachment C)

Final Results after Data Review  
NWIRP Bethpage OU 2 Regional Groundwater Investigation

Method	Analyte	CAS No	Units	Sample Delivery Group		
				Lab ID	SJ0150	SJ0150-1
				Sample Date	SJ0150-1	VPB163-TB-010516
				Sample Type	1/5/2016	Trip Blank
5310B	TOTAL ORGANIC CARBON	-28	MG L	NA		
8260C	1,1,1-TRICHLOROETHANE	71-55-6	UG L	0.5	U	
8260C	1,1,2,2-TETRACHLOROETHANE	79-34-5	UG L	0.5	U	
8260C	1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	76-13-1	UG L	0.5	U	
8260C	1,1,2-TRICHLOROETHANE	79-00-5	UG L	0.5	U	
8260C	1,1-DICHLOROETHANE	75-34-3	UG L	0.5	U	
8260C	1,1-DICHLOROETHENE	75-35-4	UG L	0.5	U	
8260C	1,2,4-TRICHLOROBENZENE	120-82-1	UG L	0.5	U	
8260C	1,2-DIBROMO-3-CHLOROPROPANE	96-12-8	UG L	0.75	U	
8260C	1,2-DIBROMOETHANE	106-93-4	UG L	0.5	U	
8260C	1,2-DICHLOROBENZENE	95-50-1	UG L	0.5	U	
8260C	1,2-DICHLOROETHANE	107-06-2	UG L	0.5	U	
8260C	1,2-DICHLOROETHENE, TOTAL	540-59-0	UG L	1	U	
8260C	1,2-DICHLOROPROPANE	78-87-5	UG L	0.5	U	
8260C	1,3-DICHLOROBENZENE	541-73-1	UG L	0.5	U	
8260C	1,4-DICHLOROBENZENE	106-46-7	UG L	0.5	U	
8260C	2-BUTANONE	78-93-3	UG L	2.5	U	
8260C	2-HEXANONE	591-78-6	UG L	2.5	U	
8260C	4-METHYL-2-PENTANONE	108-10-1	UG L	2.5	U	
8260C	ACETONE	67-64-1	UG L	2.5	UJ	C
8260C	BENZENE	71-43-2	UG L	0.5	U	
8260C	BROMODICHLOROMETHANE	75-27-4	UG L	0.5	U	
8260C	BROMOFORM	75-25-2	UG L	0.5	U	
8260C	BROMOMETHANE	74-83-9	UG L	1	U	
8260C	CARBON DISULFIDE	75-15-0	UG L	0.5	U	
8260C	CARBON TETRACHLORIDE	56-23-5	UG L	0.5	U	
8260C	CHLOROBENZENE	108-90-7	UG L	0.5	U	
8260C	CHLOROETHANE	75-00-3	UG L	1	U	
8260C	CHLOROFORM	67-66-3	UG L	0.5	U	
8260C	CHLOROMETHANE	74-87-3	UG L	1	U	
8260C	CIS-1,2-DICHLOROETHENE	156-59-2	UG L	0.5	U	
8260C	CIS-1,3-DICHLOROPROPENE	10061-01-5	UG L	0.5	U	
8260C	CYCLOHEXANE	110-82-7	UG L	0.5	U	
8260C	DIBROMOCHLOROMETHANE	124-48-1	UG L	0.5	U	
8260C	DICHLORODIFLUOROMETHANE	75-71-8	UG L	1	U	
8260C	ETHYL BENZENE	100-41-4	UG L	0.5	U	
8260C	ISOPROPYL BENZENE	98-82-8	UG L	0.5	U	
8260C	M- AND P-XYLENE	108-38-3/106-42	UG L	1	U	
8260C	METHYL ACETATE	79-20-9	UG L	0.75	U	
8260C	METHYL CYCLOHEXANE	108-87-2	UG L	0.5	U	
8260C	METHYL TERT-BUTYL ETHER	1634-04-4	UG L	0.5	U	
8260C	METHYLENE CHLORIDE	75-09-2	UG L	2.5	U	
8260C	O-XYLENE	95-47-6	UG L	0.5	U	
8260C	STYRENE	100-42-5	UG L	0.5	U	
8260C	TETRACHLOROETHENE	127-18-4	UG L	0.5	UJ	C
8260C	TOLUENE	108-88-3	UG L	0.5	U	
8260C	TRANS-1,2-DICHLOROETHENE	156-60-5	UG L	0.5	U	
8260C	TRANS-1,3-DICHLOROPROPENE	10061-02-6	UG L	0.5	U	
8260C	TRICHLOROETHENE	79-01-6	UG L	0.5	U	
8260C	TRICHLOROFUOROMETHANE	75-69-4	UG L	1	U	
8260C	VINYL CHLORIDE	75-01-4	UG L	1	U	
8260C	XYLENES, TOTAL	1330-20-7	UG L	1.5	U	

*Notes:*

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- MG\_L = Milligrams per liter
- UG\_L = Micrograms per liter
- Qual = Final qualifiers (See Attachment B)
- RC = Reason codes (See Attachment C)

Final Results after Data Review  
NWIRP Bethpage OU 2 Regional Groundwater Investigation

Sample Delivery Group				SJ0150		
Lab ID				SJ0150-6		
Sample Date				VPB163-EB-010616		
Sample Type				1/6/2016		
Method	Analyte	CAS No	Units	Result	Qual	RC
5310B	TOTAL ORGANIC CARBON	-28	MG L	0.5	UJ	bl
8260C	1,1,1-TRICHLOROETHANE	71-55-6	UG L	0.5	U	
8260C	1,1,2,2-TETRACHLOROETHANE	79-34-5	UG L	0.5	U	
8260C	1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	76-13-1	UG L	0.5	U	
8260C	1,1,2-TRICHLOROETHANE	79-00-5	UG L	0.5	U	
8260C	1,1-DICHLOROETHANE	75-34-3	UG L	0.5	U	
8260C	1,1-DICHLOROETHENE	75-35-4	UG L	0.5	U	
8260C	1,2,4-TRICHLOROBENZENE	120-82-1	UG L	0.5	U	
8260C	1,2-DIBROMO-3-CHLOROPROPANE	96-12-8	UG L	0.75	U	
8260C	1,2-DIBROMOETHANE	106-93-4	UG L	0.5	U	
8260C	1,2-DICHLOROBENZENE	95-50-1	UG L	0.5	U	
8260C	1,2-DICHLOROETHANE	107-06-2	UG L	0.5	U	
8260C	1,2-DICHLOROETHENE, TOTAL	540-59-0	UG L	1	U	
8260C	1,2-DICHLOROPROPANE	78-87-5	UG L	0.5	U	
8260C	1,3-DICHLOROBENZENE	541-73-1	UG L	0.5	U	
8260C	1,4-DICHLOROBENZENE	106-46-7	UG L	0.5	U	
8260C	2-BUTANONE	78-93-3	UG L	2.5	U	
8260C	2-HEXANONE	591-78-6	UG L	2.5	U	
8260C	4-METHYL-2-PENTANONE	108-10-1	UG L	2.5	U	
8260C	ACETONE	67-64-1	UG L	2.5	UJ	c
8260C	BENZENE	71-43-2	UG L	0.5	U	
8260C	BROMODICHLOROMETHANE	75-27-4	UG L	0.5	U	
8260C	BROMOFORM	75-25-2	UG L	0.5	U	
8260C	BROMOMETHANE	74-83-9	UG L	1	U	
8260C	CARBON DISULFIDE	75-15-0	UG L	0.5	U	
8260C	CARBON TETRACHLORIDE	56-23-5	UG L	0.5	U	
8260C	CHLOROBENZENE	108-90-7	UG L	0.5	U	
8260C	CHLOROETHANE	75-00-3	UG L	1	U	
8260C	CHLOROFORM	67-66-3	UG L	0.5	U	
8260C	CHLOROMETHANE	74-87-3	UG L	1	U	
8260C	CIS-1,2-DICHLOROETHENE	156-59-2	UG L	0.5	U	
8260C	CIS-1,3-DICHLOROPROPENE	10061-01-5	UG L	0.5	U	
8260C	CYCLOHEXANE	110-82-7	UG L	0.5	U	
8260C	DIBROMOCHLOROMETHANE	124-48-1	UG L	0.5	U	
8260C	DICHLORODIFLUOROMETHANE	75-71-8	UG L	1	U	
8260C	ETHYL BENZENE	100-41-4	UG L	0.5	U	
8260C	ISOPROPYL BENZENE	98-82-8	UG L	0.5	U	
8260C	M- AND P-XYLENE	108-38-3/106-42	UG L	1	U	
8260C	METHYL ACETATE	79-20-9	UG L	0.75	U	
8260C	METHYL CYCLOHEXANE	108-87-2	UG L	0.5	U	
8260C	METHYL TERT-BUTYL ETHER	1634-04-4	UG L	0.5	U	
8260C	METHYLINE CHLORIDE	75-09-2	UG L	2.5	U	
8260C	O-XYLENE	95-47-6	UG L	0.5	U	
8260C	STYRENE	100-42-5	UG L	0.5	U	
8260C	TETRACHLOROETHENE	127-18-4	UG L	0.5	UJ	c
8260C	TOLUENE	108-88-3	UG L	0.5	U	
8260C	TRANS-1,2-DICHLOROETHENE	156-60-5	UG L	0.5	U	
8260C	TRANS-1,3-DICHLOROPROPENE	10061-02-6	UG L	0.5	U	
8260C	TRICHLOROETHENE	79-01-6	UG L	0.5	U	
8260C	TRICHLOROFUOROMETHANE	75-69-4	UG L	1	U	
8260C	VINYL CHLORIDE	75-01-4	UG L	1	U	
8260C	XYLENES, TOTAL	1330-20-7	UG L	1.5	U	

*Notes:*

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- MG\_L = Milligrams per liter
- UG\_L = Micrograms per liter
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- RC = Reason codes (See Attachment C)

Final Results after Data Review  
NWIRP Bethpage OU 2 Regional Groundwater Investigation

Sample Delivery Group				SJ0227
Lab ID				SJ0227-1
Sample Date				VPB163-TB-010816
Sample Type				1/8/2016
Method	Analyte	CAS No	Units	Result
5310B	TOTAL ORGANIC CARBON	-28	MG L	NA
8260C	1,1,1-TRICHLOROETHANE	71-55-6	UG L	0.5
8260C	1,1,2,2-TETRACHLOROETHANE	79-34-5	UG L	0.5
8260C	1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	76-13-1	UG L	0.5
8260C	1,1,2-TRICHLOROETHANE	79-00-5	UG L	0.5
8260C	1,1-DICHLOROETHANE	75-34-3	UG L	0.5
8260C	1,1-DICHLOROETHENE	75-35-4	UG L	0.5
8260C	1,2,4-TRICHLOROBENZENE	120-82-1	UG L	0.5
8260C	1,2-DIBROMO-3-CHLOROPROPANE	96-12-8	UG L	0.75
8260C	1,2-DIBROMOETHANE	106-93-4	UG L	0.5
8260C	1,2-DICHLOROBENZENE	95-50-1	UG L	0.5
8260C	1,2-DICHLOROETHANE	107-06-2	UG L	0.5
8260C	1,2-DICHLOROETHENE, TOTAL	540-59-0	UG L	1
8260C	1,2-DICHLOROPROPANE	78-87-5	UG L	0.5
8260C	1,3-DICHLOROBENZENE	541-73-1	UG L	0.5
8260C	1,4-DICHLOROBENZENE	106-46-7	UG L	0.5
8260C	2-BUTANONE	78-93-3	UG L	2.5
8260C	2-HEXANONE	591-78-6	UG L	2.5
8260C	4-METHYL-2-PENTANONE	108-10-1	UG L	2.5
8260C	ACETONE	67-64-1	UG L	2.4
8260C	BENZENE	71-43-2	UG L	0.5
8260C	BROMODICHLOROMETHANE	75-27-4	UG L	0.5
8260C	BROMOFORM	75-25-2	UG L	0.5
8260C	BROMOMETHANE	74-83-9	UG L	1
8260C	CARBON DISULFIDE	75-15-0	UG L	0.5
8260C	CARBON TETRACHLORIDE	56-23-5	UG L	0.5
8260C	CHLOROBENZENE	108-90-7	UG L	0.5
8260C	CHLOROETHANE	75-00-3	UG L	1
8260C	CHLOROFORM	67-66-3	UG L	0.5
8260C	CHLOROMETHANE	74-87-3	UG L	1
8260C	CIS-1,2-DICHLOROETHENE	156-59-2	UG L	0.5
8260C	CIS-1,3-DICHLOROPROPENE	10061-01-5	UG L	0.5
8260C	CYCLOHEXANE	110-82-7	UG L	0.5
8260C	DIBROMOCHLOROMETHANE	124-48-1	UG L	0.5
8260C	DICHLORODIFLUOROMETHANE	75-71-8	UG L	1
8260C	ETHYL BENZENE	100-41-4	UG L	0.5
8260C	ISOPROPYL BENZENE	98-82-8	UG L	0.5
8260C	M- AND P-XYLENE	108-38-3/106-42	UG L	1
8260C	METHYL ACETATE	79-20-9	UG L	0.75
8260C	METHYL CYCLOHEXANE	108-87-2	UG L	0.5
8260C	METHYL TERT-BUTYL ETHER	1634-04-4	UG L	0.5
8260C	METHYLINE CHLORIDE	75-09-2	UG L	2.5
8260C	O-XYLENE	95-47-6	UG L	0.5
8260C	STYRENE	100-42-5	UG L	0.5
8260C	TETRACHLOROETHENE	127-18-4	UG L	0.5
8260C	TOLUENE	108-88-3	UG L	0.5
8260C	TRANS-1,2-DICHLOROETHENE	156-60-5	UG L	0.5
8260C	TRANS-1,3-DICHLOROPROPENE	10061-02-6	UG L	0.5
8260C	TRICHLOROETHENE	79-01-6	UG L	0.5
8260C	TRICHLOROFUOROMETHANE	75-69-4	UG L	1
8260C	VINYL CHLORIDE	75-01-4	UG L	1
8260C	XYLENES, TOTAL	1330-20-7	UG L	1.5

*Notes:*

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- RC = Reason codes (See Attachment C)

Final Results after Data Review  
NWIRP Bethpage OU 2 Regional Groundwater Investigation

				Sample Delivery Group	SJ0344	
				Lab ID	SJ0344-1	
				Sample Date	VPB163-TB-011216	
				Sample Type	1/12/2016	Trip Blank
Method	Analyte	CAS No	Units	Result	Qual	RC
5310B	TOTAL ORGANIC CARBON	-28	MG L	NA		
8260C	1,1,1-TRICHLOROETHANE	71-55-6	UG L	0.5	U	
8260C	1,1,2,2-TETRACHLOROETHANE	79-34-5	UG L	0.5	U	
8260C	1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	76-13-1	UG L	0.5	U	
8260C	1,1,2-TRICHLOROETHANE	79-00-5	UG L	0.5	U	
8260C	1,1-DICHLOROETHANE	75-34-3	UG L	0.5	U	
8260C	1,1-DICHLOROETHENE	75-35-4	UG L	0.5	U	
8260C	1,2,4-TRICHLOROBENZENE	120-82-1	UG L	0.5	U	
8260C	1,2-DIBROMO-3-CHLOROPROPANE	96-12-8	UG L	0.75	UJ	c
8260C	1,2-DIBROMOETHANE	106-93-4	UG L	0.5	U	
8260C	1,2-DICHLOROBENZENE	95-50-1	UG L	0.5	U	
8260C	1,2-DICHLOROETHANE	107-06-2	UG L	0.5	U	
8260C	1,2-DICHLOROETHENE, TOTAL	540-59-0	UG L	1	U	
8260C	1,2-DICHLOROPROPANE	78-87-5	UG L	0.5	U	
8260C	1,3-DICHLOROBENZENE	541-73-1	UG L	0.5	U	
8260C	1,4-DICHLOROBENZENE	106-46-7	UG L	0.5	U	
8260C	2-BUTANONE	78-93-3	UG L	2.5	UJ	c
8260C	2-HEXANONE	591-78-6	UG L	2.5	UJ	c
8260C	4-METHYL-2-PENTANONE	108-10-1	UG L	2.5	UJ	c
8260C	ACETONE	67-64-1	UG L	3.3	J	c
8260C	BENZENE	71-43-2	UG L	0.5	U	
8260C	BROMODICHLOROMETHANE	75-27-4	UG L	0.5	U	
8260C	BROMOFORM	75-25-2	UG L	0.5	U	
8260C	BROMOMETHANE	74-83-9	UG L	1	U	
8260C	CARBON DISULFIDE	75-15-0	UG L	0.5	UJ	bl
8260C	CARBON TETRACHLORIDE	56-23-5	UG L	0.5	U	
8260C	CHLOROBENZENE	108-90-7	UG L	0.5	U	
8260C	CHLOROETHANE	75-00-3	UG L	1	U	
8260C	CHLOROFORM	67-66-3	UG L	0.5	U	
8260C	CHLOROMETHANE	74-87-3	UG L	1	U	
8260C	CIS-1,2-DICHLOROETHENE	156-59-2	UG L	0.5	U	
8260C	CIS-1,3-DICHLOROPROPENE	10061-01-5	UG L	0.5	U	
8260C	CYCLOHEXANE	110-82-7	UG L	0.5	U	
8260C	DIBROMOCHLOROMETHANE	124-48-1	UG L	0.5	U	
8260C	DICHLORODIFLUOROMETHANE	75-71-8	UG L	1	UJ	c
8260C	ETHYL BENZENE	100-41-4	UG L	0.5	U	
8260C	ISOPROPYL BENZENE	98-82-8	UG L	0.5	U	
8260C	M- AND P-XYLENE	108-38-3/106-42	UG L	1	U	
8260C	METHYL ACETATE	79-20-9	UG L	0.75	U	
8260C	METHYL CYCLOHEXANE	108-87-2	UG L	0.5	U	
8260C	METHYL TERT-BUTYL ETHER	1634-04-4	UG L	0.5	U	
8260C	METHYLENE CHLORIDE	75-09-2	UG L	2.5	U	
8260C	O-XYLENE	95-47-6	UG L	0.5	U	
8260C	STYRENE	100-42-5	UG L	0.5	U	
8260C	TETRACHLOROETHENE	127-18-4	UG L	0.5	U	
8260C	TOLUENE	108-88-3	UG L	0.5	U	
8260C	TRANS-1,2-DICHLOROETHENE	156-60-5	UG L	0.5	U	
8260C	TRANS-1,3-DICHLOROPROPENE	10061-02-6	UG L	0.5	U	
8260C	TRICHLOROETHENE	79-01-6	UG L	0.5	U	
8260C	TRICHLOROFUOROMETHANE	75-69-4	UG L	1	U	
8260C	VINYL CHLORIDE	75-01-4	UG L	1	U	
8260C	XYLENES, TOTAL	1330-20-7	UG L	1.5	U	

*Notes:*

- NA = Not Analyzed
- MG\_L = Milligrams per liter
- UG\_L = Micrograms per liter
- Qual = Final qualifiers (See Attachment B)
- RC = Reason codes (See Attachment C)

Final Results after Data Review  
NWIRP Bethpage OU 2 Regional Groundwater Investigation

				Sample Delivery Group	SJ0411	
				Lab ID	SJ0411-1	
				Sample Date	VPB163-TB-011516	
				Sample Type	1/15/2016	
Method	Analyte	CAS No	Units	Result	Qual	RC
5310B	TOTAL ORGANIC CARBON	-28	MG L	NA		
8260C	1,1,1-TRICHLOROETHANE	71-55-6	UG L	0.5	U	
8260C	1,1,2,2-TETRACHLOROETHANE	79-34-5	UG L	0.5	U	
8260C	1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	76-13-1	UG L	0.5	U	
8260C	1,1,2-TRICHLOROETHANE	79-00-5	UG L	0.5	U	
8260C	1,1-DICHLOROETHANE	75-34-3	UG L	0.5	U	
8260C	1,1-DICHLOROETHENE	75-35-4	UG L	0.5	U	
8260C	1,2,4-TRICHLOROBENZENE	120-82-1	UG L	0.5	U	
8260C	1,2-DIBROMO-3-CHLOROPROPANE	96-12-8	UG L	0.75	U	
8260C	1,2-DIBROMOETHANE	106-93-4	UG L	0.5	U	
8260C	1,2-DICHLOROBENZENE	95-50-1	UG L	0.5	U	
8260C	1,2-DICHLOROETHANE	107-06-2	UG L	0.5	U	
8260C	1,2-DICHLOROETHENE, TOTAL	540-59-0	UG L	1	U	
8260C	1,2-DICHLOROPROPANE	78-87-5	UG L	0.5	U	
8260C	1,3-DICHLOROBENZENE	541-73-1	UG L	0.5	U	
8260C	1,4-DICHLOROBENZENE	106-46-7	UG L	0.5	U	
8260C	2-BUTANONE	78-93-3	UG L	2.5	U	
8260C	2-HEXANONE	591-78-6	UG L	2.5	U	
8260C	4-METHYL-2-PENTANONE	108-10-1	UG L	2.5	U	
8260C	ACETONE	67-64-1	UG L	2.5	UJ	C
8260C	BENZENE	71-43-2	UG L	0.5	U	
8260C	BROMODICHLOROMETHANE	75-27-4	UG L	0.5	U	
8260C	BROMOFORM	75-25-2	UG L	0.5	U	
8260C	BROMOMETHANE	74-83-9	UG L	1	UJ	C
8260C	CARBON DISULFIDE	75-15-0	UG L	0.5	U	
8260C	CARBON TETRACHLORIDE	56-23-5	UG L	0.5	U	
8260C	CHLOROBENZENE	108-90-7	UG L	0.5	U	
8260C	CHLOROETHANE	75-00-3	UG L	1	U	
8260C	CHLOROFORM	67-66-3	UG L	0.5	U	
8260C	CHLOROMETHANE	74-87-3	UG L	1	U	
8260C	CIS-1,2-DICHLOROETHENE	156-59-2	UG L	0.5	U	
8260C	CIS-1,3-DICHLOROPROPENE	10061-01-5	UG L	0.5	U	
8260C	CYCLOHEXANE	110-82-7	UG L	0.5	U	
8260C	DIBROMOCHLOROMETHANE	124-48-1	UG L	0.5	U	
8260C	DICHLORODIFLUOROMETHANE	75-71-8	UG L	1	UJ	C
8260C	ETHYL BENZENE	100-41-4	UG L	0.5	U	
8260C	ISOPROPYL BENZENE	98-82-8	UG L	0.5	U	
8260C	M- AND P-XYLENE	108-38-3/106-42	UG L	1	U	
8260C	METHYL ACETATE	79-20-9	UG L	0.75	U	
8260C	METHYL CYCLOHEXANE	108-87-2	UG L	0.5	U	
8260C	METHYL TERT-BUTYL ETHER	1634-04-4	UG L	0.5	U	
8260C	METHYLENE CHLORIDE	75-09-2	UG L	2.5	U	
8260C	O-XYLENE	95-47-6	UG L	0.5	U	
8260C	STYRENE	100-42-5	UG L	0.5	U	
8260C	TETRACHLOROETHENE	127-18-4	UG L	0.5	UJ	C
8260C	TOLUENE	108-88-3	UG L	0.5	U	
8260C	TRANS-1,2-DICHLOROETHENE	156-60-5	UG L	0.5	U	
8260C	TRANS-1,3-DICHLOROPROPENE	10061-02-6	UG L	0.5	U	
8260C	TRICHLOROETHENE	79-01-6	UG L	0.5	U	
8260C	TRICHLOROFUOROMETHANE	75-69-4	UG L	1	U	
8260C	VINYL CHLORIDE	75-01-4	UG L	1	U	
8260C	XYLENES, TOTAL	1330-20-7	UG L	1.5	U	

*Notes:*

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- MG\_L = Milligrams per liter
- UG\_L = Micrograms per liter
- Qual = Final qualifiers (See Attachment B)
- RC = Reason codes (See Attachment C)

Final Results after Data Review  
NWIRP Bethpage OU 2 Regional Groundwater Investigation

Method	Analyte	CAS No	Units	Sample Delivery Group		
				Lab ID	SJ0528	SJ0528-1
				Sample Date	VPB163-TB-011916	
				Sample Type	1/19/2016	Trip Blank
5310B	TOTAL ORGANIC CARBON	-28	MG L	NA		
8260C	1,1,1-TRICHLOROETHANE	71-55-6	UG L	0.5	U	
8260C	1,1,2,2-TETRACHLOROETHANE	79-34-5	UG L	0.5	U	
8260C	1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	76-13-1	UG L	0.5	U	
8260C	1,1,2-TRICHLOROETHANE	79-00-5	UG L	0.5	U	
8260C	1,1-DICHLOROETHANE	75-34-3	UG L	0.5	U	
8260C	1,1-DICHLOROETHENE	75-35-4	UG L	0.5	U	
8260C	1,2,4-TRICHLOROBENZENE	120-82-1	UG L	0.5	U	
8260C	1,2-DIBROMO-3-CHLOROPROPANE	96-12-8	UG L	0.75	U	
8260C	1,2-DIBROMOETHANE	106-93-4	UG L	0.5	U	
8260C	1,2-DICHLOROBENZENE	95-50-1	UG L	0.5	U	
8260C	1,2-DICHLOROETHANE	107-06-2	UG L	0.5	U	
8260C	1,2-DICHLOROETHENE, TOTAL	540-59-0	UG L	1	U	
8260C	1,2-DICHLOROPROPANE	78-87-5	UG L	0.5	U	
8260C	1,3-DICHLOROBENZENE	541-73-1	UG L	0.5	U	
8260C	1,4-DICHLOROBENZENE	106-46-7	UG L	0.5	U	
8260C	2-BUTANONE	78-93-3	UG L	2.5	UJ	C
8260C	2-HEXANONE	591-78-6	UG L	2.5	UJ	C
8260C	4-METHYL-2-PENTANONE	108-10-1	UG L	2.5	UJ	C
8260C	ACETONE	67-64-1	UG L	2.5	UJ	C
8260C	BENZENE	71-43-2	UG L	0.5	U	
8260C	BROMODICHLOROMETHANE	75-27-4	UG L	0.5	U	
8260C	BROMOFORM	75-25-2	UG L	0.5	U	
8260C	BROMOMETHANE	74-83-9	UG L	1	U	
8260C	CARBON DISULFIDE	75-15-0	UG L	0.5	U	
8260C	CARBON TETRACHLORIDE	56-23-5	UG L	0.5	U	
8260C	CHLOROBENZENE	108-90-7	UG L	0.5	U	
8260C	CHLOROETHANE	75-00-3	UG L	1	UJ	C
8260C	CHLOROFORM	67-66-3	UG L	0.5	U	
8260C	CHLOROMETHANE	74-87-3	UG L	1	UJ	C
8260C	CIS-1,2-DICHLOROETHENE	156-59-2	UG L	0.5	U	
8260C	CIS-1,3-DICHLOROPROPENE	10061-01-5	UG L	0.5	U	
8260C	CYCLOHEXANE	110-82-7	UG L	0.5	U	
8260C	DIBROMOCHLOROMETHANE	124-48-1	UG L	0.5	U	
8260C	DICHLORODIFLUOROMETHANE	75-71-8	UG L	1	UJ	C
8260C	ETHYL BENZENE	100-41-4	UG L	0.5	U	
8260C	ISOPROPYL BENZENE	98-82-8	UG L	0.5	U	
8260C	M- AND P-XYLENE	108-38-3/106-42	UG L	1	U	
8260C	METHYL ACETATE	79-20-9	UG L	0.75	U	
8260C	METHYL CYCLOHEXANE	108-87-2	UG L	0.5	U	
8260C	METHYL TERT-BUTYL ETHER	1634-04-4	UG L	0.5	U	
8260C	METHYLINE CHLORIDE	75-09-2	UG L	2.5	U	
8260C	O-XYLENE	95-47-6	UG L	0.5	U	
8260C	STYRENE	100-42-5	UG L	0.5	U	
8260C	TETRACHLOROETHENE	127-18-4	UG L	0.5	U	
8260C	TOLUENE	108-88-3	UG L	0.5	U	
8260C	TRANS-1,2-DICHLOROETHENE	156-60-5	UG L	0.5	U	
8260C	TRANS-1,3-DICHLOROPROPENE	10061-02-6	UG L	0.5	U	
8260C	TRICHLOROETHENE	79-01-6	UG L	0.5	U	
8260C	TRICHLOROFUOROMETHANE	75-69-4	UG L	1	U	
8260C	VINYL CHLORIDE	75-01-4	UG L	1	U	
8260C	XYLENES, TOTAL	1330-20-7	UG L	1.5	U	

*Notes:*

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- Qual = Final qualifiers (See Attachment B)
- RC = Reason codes (See Attachment C)

Final Results after Data Review  
NWIRP Bethpage OU 2 Regional Groundwater Investigation

Sample Delivery Group				SJ0690
Lab ID				SJ0690-1
Sample Date				VPB163-TB-012616
Sample Type				1/26/2016
Method	Analyte	CAS No	Units	Result
5310B	TOTAL ORGANIC CARBON	-28	MG L	NA
8260C	1,1,1-TRICHLOROETHANE	71-55-6	UG L	0.5
8260C	1,1,2,2-TETRACHLOROETHANE	79-34-5	UG L	0.5
8260C	1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	76-13-1	UG L	0.5
8260C	1,1,2-TRICHLOROETHANE	79-00-5	UG L	0.5
8260C	1,1-DICHLOROETHANE	75-34-3	UG L	0.5
8260C	1,1-DICHLOROETHENE	75-35-4	UG L	0.5
8260C	1,2,4-TRICHLOROBENZENE	120-82-1	UG L	0.5
8260C	1,2-DIBROMO-3-CHLOROPROPANE	96-12-8	UG L	0.75
8260C	1,2-DIBROMOETHANE	106-93-4	UG L	0.5
8260C	1,2-DICHLOROBENZENE	95-50-1	UG L	0.5
8260C	1,2-DICHLOROETHANE	107-06-2	UG L	0.5
8260C	1,2-DICHLOROETHENE, TOTAL	540-59-0	UG L	1
8260C	1,2-DICHLOROPROPANE	78-87-5	UG L	0.5
8260C	1,3-DICHLOROBENZENE	541-73-1	UG L	0.5
8260C	1,4-DICHLOROBENZENE	106-46-7	UG L	0.5
8260C	2-BUTANONE	78-93-3	UG L	2.5
8260C	2-HEXANONE	591-78-6	UG L	2.5
8260C	4-METHYL-2-PENTANONE	108-10-1	UG L	2.5
8260C	ACETONE	67-64-1	UG L	2.5
8260C	BENZENE	71-43-2	UG L	0.5
8260C	BROMODICHLOROMETHANE	75-27-4	UG L	0.5
8260C	BROMOFORM	75-25-2	UG L	0.5
8260C	BROMOMETHANE	74-83-9	UG L	1
8260C	CARBON DISULFIDE	75-15-0	UG L	0.5
8260C	CARBON TETRACHLORIDE	56-23-5	UG L	0.5
8260C	CHLOROBENZENE	108-90-7	UG L	0.5
8260C	CHLOROETHANE	75-00-3	UG L	1
8260C	CHLOROFORM	67-66-3	UG L	0.5
8260C	CHLOROMETHANE	74-87-3	UG L	1
8260C	CIS-1,2-DICHLOROETHENE	156-59-2	UG L	0.5
8260C	CIS-1,3-DICHLOROPROPENE	10061-01-5	UG L	0.5
8260C	CYCLOHEXANE	110-82-7	UG L	0.5
8260C	DIBROMOCHLOROMETHANE	124-48-1	UG L	0.5
8260C	DICHLORODIFLUOROMETHANE	75-71-8	UG L	1
8260C	ETHYL BENZENE	100-41-4	UG L	0.5
8260C	ISOPROPYL BENZENE	98-82-8	UG L	0.5
8260C	M- AND P-XYLENE	108-38-3/106-42	UG L	1
8260C	METHYL ACETATE	79-20-9	UG L	0.75
8260C	METHYL CYCLOHEXANE	108-87-2	UG L	0.5
8260C	METHYL TERT-BUTYL ETHER	1634-04-4	UG L	0.5
8260C	METHYLINE CHLORIDE	75-09-2	UG L	2.5
8260C	O-XYLENE	95-47-6	UG L	0.5
8260C	STYRENE	100-42-5	UG L	0.5
8260C	TETRACHLOROETHENE	127-18-4	UG L	0.5
8260C	TOLUENE	108-88-3	UG L	0.5
8260C	TRANS-1,2-DICHLOROETHENE	156-60-5	UG L	0.5
8260C	TRANS-1,3-DICHLOROPROPENE	10061-02-6	UG L	0.5
8260C	TRICHLOROETHENE	79-01-6	UG L	0.5
8260C	TRICHLOROFUOROMETHANE	75-69-4	UG L	1
8260C	VINYL CHLORIDE	75-01-4	UG L	1
8260C	XYLENES, TOTAL	1330-20-7	UG L	1.5

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Final Results after Data Review  
NWIRP Bethpage OU 2 Regional Groundwater Investigation

Method	Analyte	CAS No	Units	Sample Delivery Group		
				Lab ID	Sample ID	TI0216
				Sample Date	Sample Type	TI0216-1
						VPB163-TB-121515
						12/15/2015
						Trip Blank
Method	Analyte	CAS No	Units	Result	Qual	RC
5310B	TOTAL ORGANIC CARBON	-28	MG L	NA		
8260C	1,1,1-TRICHLOROETHANE	71-55-6	UG L	0.5	U	
8260C	1,1,2,2-TETRACHLOROETHANE	79-34-5	UG L	0.5	U	
8260C	1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	76-13-1	UG L	0.5	U	
8260C	1,1,2-TRICHLOROETHANE	79-00-5	UG L	0.5	U	
8260C	1,1-DICHLOROETHANE	75-34-3	UG L	0.5	U	
8260C	1,1-DICHLOROETHENE	75-35-4	UG L	0.5	U	
8260C	1,2,4-TRICHLOROBENZENE	120-82-1	UG L	0.5	U	
8260C	1,2-DIBROMO-3-CHLOROPROPANE	96-12-8	UG L	0.75	U	
8260C	1,2-DIBROMOETHANE	106-93-4	UG L	0.5	U	
8260C	1,2-DICHLOROBENZENE	95-50-1	UG L	0.5	U	
8260C	1,2-DICHLOROETHANE	107-06-2	UG L	0.5	U	
8260C	1,2-DICHLOROETHENE, TOTAL	540-59-0	UG L	1	U	
8260C	1,2-DICHLOROPROPANE	78-87-5	UG L	0.5	U	
8260C	1,3-DICHLOROBENZENE	541-73-1	UG L	0.5	U	
8260C	1,4-DICHLOROBENZENE	106-46-7	UG L	0.5	U	
8260C	2-BUTANONE	78-93-3	UG L	2.5	U	
8260C	2-HEXANONE	591-78-6	UG L	2.5	U	
8260C	4-METHYL-2-PENTANONE	108-10-1	UG L	2.5	U	
8260C	ACETONE	67-64-1	UG L	2.5	U	
8260C	BENZENE	71-43-2	UG L	0.5	U	
8260C	BROMODICHLOROMETHANE	75-27-4	UG L	0.5	U	
8260C	BROMOFORM	75-25-2	UG L	0.5	U	
8260C	BROMOMETHANE	74-83-9	UG L	1	U	
8260C	CARBON DISULFIDE	75-15-0	UG L	0.5	U	
8260C	CARBON TETRACHLORIDE	56-23-5	UG L	0.5	U	
8260C	CHLOROBENZENE	108-90-7	UG L	0.5	U	
8260C	CHLOROETHANE	75-00-3	UG L	1	U	
8260C	CHLOROFORM	67-66-3	UG L	0.5	U	
8260C	CHLOROMETHANE	74-87-3	UG L	1	UJ	c
8260C	CIS-1,2-DICHLOROETHENE	156-59-2	UG L	0.5	U	
8260C	CIS-1,3-DICHLOROPROPENE	10061-01-5	UG L	0.5	U	
8260C	CYCLOHEXANE	110-82-7	UG L	0.5	U	
8260C	DIBROMOCHLOROMETHANE	124-48-1	UG L	0.5	U	
8260C	DICHLORODIFLUOROMETHANE	75-71-8	UG L	1	UJ	c
8260C	ETHYL BENZENE	100-41-4	UG L	0.5	U	
8260C	ISOPROPYL BENZENE	98-82-8	UG L	0.5	U	
8260C	M- AND P-XYLENE	108-38-3/106-42	UG L	1	U	
8260C	METHYL ACETATE	79-20-9	UG L	0.75	U	
8260C	METHYL CYCLOHEXANE	108-87-2	UG L	0.5	U	
8260C	METHYL TERT-BUTYL ETHER	1634-04-4	UG L	0.5	U	
8260C	METHYLINE CHLORIDE	75-09-2	UG L	2.5	U	
8260C	O-XYLENE	95-47-6	UG L	0.5	U	
8260C	STYRENE	100-42-5	UG L	0.5	U	
8260C	TETRACHLOROETHENE	127-18-4	UG L	0.5	U	
8260C	TOLUENE	108-88-3	UG L	0.5	U	
8260C	TRANS-1,2-DICHLOROETHENE	156-60-5	UG L	0.5	U	
8260C	TRANS-1,3-DICHLOROPROPENE	10061-02-6	UG L	0.5	U	
8260C	TRICHLOROETHENE	79-01-6	UG L	0.5	U	
8260C	TRICHLOROFUOROMETHANE	75-69-4	UG L	1	UJ	c
8260C	VINYL CHLORIDE	75-01-4	UG L	1	UJ	c
8260C	XYLENES, TOTAL	1330-20-7	UG L	1.5	U	

*Notes:*

- NA = Not Analyzed
- MG\_L = Milligrams per liter
- UG\_L = Micrograms per liter
- Qual = Final qualifiers (See Attachment B)
- RC = Reason codes (See Attachment C)

Final Results after Data Review  
NWIRP Bethpage OU 2 Regional Groundwater Investigation

Sample Delivery Group				TI0216		
Lab ID		Sample ID		TI0216-2		
		Sample Date		VPB163-FB-121515		
		Sample Type		12/15/2015		
Method	Analyte	CAS No	Units	Result	Qual	RC
5310B	TOTAL ORGANIC CARBON	-28	MG L	0.5	UJ	bl
8260C	1,1,1-TRICHLOROETHANE	71-55-6	UG L	0.5	U	
8260C	1,1,2,2-TETRACHLOROETHANE	79-34-5	UG L	0.5	U	
8260C	1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	76-13-1	UG L	0.5	U	
8260C	1,1,2-TRICHLOROETHANE	79-00-5	UG L	0.5	U	
8260C	1,1-DICHLOROETHANE	75-34-3	UG L	0.5	U	
8260C	1,1-DICHLOROETHENE	75-35-4	UG L	0.5	U	
8260C	1,2,4-TRICHLOROBENZENE	120-82-1	UG L	0.5	U	
8260C	1,2-DIBROMO-3-CHLOROPROPANE	96-12-8	UG L	0.75	U	
8260C	1,2-DIBROMOETHANE	106-93-4	UG L	0.5	U	
8260C	1,2-DICHLOROBENZENE	95-50-1	UG L	0.5	U	
8260C	1,2-DICHLOROETHANE	107-06-2	UG L	0.5	U	
8260C	1,2-DICHLOROETHENE, TOTAL	540-59-0	UG L	1	U	
8260C	1,2-DICHLOROPROPANE	78-87-5	UG L	0.5	U	
8260C	1,3-DICHLOROBENZENE	541-73-1	UG L	0.5	U	
8260C	1,4-DICHLOROBENZENE	106-46-7	UG L	0.5	U	
8260C	2-BUTANONE	78-93-3	UG L	2.5	U	
8260C	2-HEXANONE	591-78-6	UG L	2.5	U	
8260C	4-METHYL-2-PENTANONE	108-10-1	UG L	2.5	U	
8260C	ACETONE	67-64-1	UG L	2.5	U	
8260C	BENZENE	71-43-2	UG L	0.5	U	
8260C	BROMODICHLOROMETHANE	75-27-4	UG L	0.5	U	
8260C	BROMOFORM	75-25-2	UG L	0.5	U	
8260C	BROMOMETHANE	74-83-9	UG L	1	U	
8260C	CARBON DISULFIDE	75-15-0	UG L	0.5	U	
8260C	CARBON TETRACHLORIDE	56-23-5	UG L	0.5	U	
8260C	CHLOROBENZENE	108-90-7	UG L	0.5	U	
8260C	CHLOROETHANE	75-00-3	UG L	1	U	
8260C	CHLOROFORM	67-66-3	UG L	0.5	U	
8260C	CHLOROMETHANE	74-87-3	UG L	1	UJ	c
8260C	CIS-1,2-DICHLOROETHENE	156-59-2	UG L	0.5	U	
8260C	CIS-1,3-DICHLOROPROPENE	10061-01-5	UG L	0.5	U	
8260C	CYCLOHEXANE	110-82-7	UG L	0.5	U	
8260C	DIBROMOCHLOROMETHANE	124-48-1	UG L	0.5	U	
8260C	DICHLORODIFLUOROMETHANE	75-71-8	UG L	1	UJ	c
8260C	ETHYLBENZENE	100-41-4	UG L	0.5	U	
8260C	ISOPROPYLBENZENE	98-82-8	UG L	0.5	U	
8260C	M- AND P-XYLENE	108-38-3/106-42	UG L	1	U	
8260C	METHYL ACETATE	79-20-9	UG L	0.75	U	
8260C	METHYL CYCLOHEXANE	108-87-2	UG L	0.5	U	
8260C	METHYL TERT-BUTYL ETHER	1634-04-4	UG L	0.5	U	
8260C	METHYLENE CHLORIDE	75-09-2	UG L	2.5	U	
8260C	O-XYLENE	95-47-6	UG L	0.5	U	
8260C	STYRENE	100-42-5	UG L	0.5	U	
8260C	TETRACHLOROETHENE	127-18-4	UG L	0.5	U	
8260C	TOLUENE	108-88-3	UG L	0.5	U	
8260C	TRANS-1,2-DICHLOROETHENE	156-60-5	UG L	0.5	U	
8260C	TRANS-1,3-DICHLOROPROPENE	10061-02-6	UG L	0.5	U	
8260C	TRICHLOROETHENE	79-01-6	UG L	0.5	U	
8260C	TRICHLOROFLUOROMETHANE	75-69-4	UG L	1	UJ	c
8260C	VINYL CHLORIDE	75-01-4	UG L	1	UJ	c
8260C	XYLENES, TOTAL	1330-20-7	UG L	1.5	U	

### *Notes:*

NA = Not Analyzed  
MG\_L = Milligrams per liter  
UG\_L = Micrograms per liter  
Qual = Final qualifiers (See Attachment B)  
RC = Reason codes (See Attachment C)

Final Results after Data Review  
NWIRP Bethpage OU 2 Regional Groundwater Investigation

Method	Analyte	CAS No	Units	Sample Delivery Group		
				Lab ID	Sample ID	TI0291
				Sample Date	Sample Type	TI0291-1
						VPB163-TB-121815
						12/18/2015
						Trip Blank
Method	Analyte	CAS No	Units	Result	Qual	RC
5310B	TOTAL ORGANIC CARBON	-28	MG L	NA		
8260C	1,1,1-TRICHLOROETHANE	71-55-6	UG L	0.5	U	
8260C	1,1,2,2-TETRACHLOROETHANE	79-34-5	UG L	0.5	U	
8260C	1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	76-13-1	UG L	0.5	U	
8260C	1,1,2-TRICHLOROETHANE	79-00-5	UG L	0.5	U	
8260C	1,1-DICHLOROETHANE	75-34-3	UG L	0.5	U	
8260C	1,1-DICHLOROETHENE	75-35-4	UG L	0.5	U	
8260C	1,2,4-TRICHLOROBENZENE	120-82-1	UG L	0.5	U	
8260C	1,2-DIBROMO-3-CHLOROPROPANE	96-12-8	UG L	0.75	U	
8260C	1,2-DIBROMOETHANE	106-93-4	UG L	0.5	U	
8260C	1,2-DICHLOROBENZENE	95-50-1	UG L	0.5	U	
8260C	1,2-DICHLOROETHANE	107-06-2	UG L	0.5	U	
8260C	1,2-DICHLOROETHENE, TOTAL	540-59-0	UG L	1	U	
8260C	1,2-DICHLOROPROPANE	78-87-5	UG L	0.5	U	
8260C	1,3-DICHLOROBENZENE	541-73-1	UG L	0.5	U	
8260C	1,4-DICHLOROBENZENE	106-46-7	UG L	0.5	U	
8260C	2-BUTANONE	78-93-3	UG L	2.5	U	
8260C	2-HEXANONE	591-78-6	UG L	2.5	U	
8260C	4-METHYL-2-PENTANONE	108-10-1	UG L	2.5	UJ	C
8260C	ACETONE	67-64-1	UG L	2.5	U	
8260C	BENZENE	71-43-2	UG L	0.5	U	
8260C	BROMODICHLOROMETHANE	75-27-4	UG L	0.5	U	
8260C	BROMOFORM	75-25-2	UG L	0.5	U	
8260C	BROMOMETHANE	74-83-9	UG L	1	U	
8260C	CARBON DISULFIDE	75-15-0	UG L	0.5	U	
8260C	CARBON TETRACHLORIDE	56-23-5	UG L	0.5	U	
8260C	CHLOROBENZENE	108-90-7	UG L	0.5	U	
8260C	CHLOROETHANE	75-00-3	UG L	1	UJ	C
8260C	CHLOROFORM	67-66-3	UG L	0.5	U	
8260C	CHLOROMETHANE	74-87-3	UG L	1	U	
8260C	CIS-1,2-DICHLOROETHENE	156-59-2	UG L	0.5	U	
8260C	CIS-1,3-DICHLOROPROPENE	10061-01-5	UG L	0.5	U	
8260C	CYCLOHEXANE	110-82-7	UG L	0.5	U	
8260C	DIBROMOCHLOROMETHANE	124-48-1	UG L	0.5	U	
8260C	DICHLORODIFLUOROMETHANE	75-71-8	UG L	1	U	
8260C	ETHYL BENZENE	100-41-4	UG L	0.5	U	
8260C	ISOPROPYL BENZENE	98-82-8	UG L	0.5	U	
8260C	M- AND P-XYLENE	108-38-3/106-42	UG L	1	U	
8260C	METHYL ACETATE	79-20-9	UG L	0.75	U	
8260C	METHYL CYCLOHEXANE	108-87-2	UG L	0.5	U	
8260C	METHYL TERT-BUTYL ETHER	1634-04-4	UG L	0.5	U	
8260C	METHYLINE CHLORIDE	75-09-2	UG L	2.5	U	
8260C	O-XYLENE	95-47-6	UG L	0.5	U	
8260C	STYRENE	100-42-5	UG L	0.5	U	
8260C	TETRACHLOROETHENE	127-18-4	UG L	0.5	UJ	C
8260C	TOLUENE	108-88-3	UG L	0.5	U	
8260C	TRANS-1,2-DICHLOROETHENE	156-60-5	UG L	0.5	U	
8260C	TRANS-1,3-DICHLOROPROPENE	10061-02-6	UG L	0.5	U	
8260C	TRICHLOROETHENE	79-01-6	UG L	0.5	U	
8260C	TRICHLOROFUOROMETHANE	75-69-4	UG L	1	U	
8260C	VINYL CHLORIDE	75-01-4	UG L	1	U	
8260C	XYLENES, TOTAL	1330-20-7	UG L	1.5	U	

*Notes:*

- NA = Not Analyzed
- MG\_L = Milligrams per liter
- UG\_L = Micrograms per liter
- Qual = Final qualifiers (See Attachment B)
- RC = Reason codes (See Attachment C)

Final Results after Data Review  
NWIRP Bethpage OU 2 Regional Groundwater Investigation

Method	Analyte	CAS No	Units	Sample Delivery Group		
				Lab ID	Sample ID	TI0291
				Sample Date	Sample Type	TI0291-9
						VPB163-EB-122115
						12/21/2015
						Equipment Blank
5310B	TOTAL ORGANIC CARBON	-28	MG L	0.1	J	
8260C	1,1,1-TRICHLOROETHANE	71-55-6	UG L	0.5	U	
8260C	1,1,2,2-TETRACHLOROETHANE	79-34-5	UG L	0.5	U	
8260C	1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	76-13-1	UG L	0.5	U	
8260C	1,1,2-TRICHLOROETHANE	79-00-5	UG L	0.5	U	
8260C	1,1-DICHLOROETHANE	75-34-3	UG L	0.5	U	
8260C	1,1-DICHLOROETHENE	75-35-4	UG L	0.5	U	
8260C	1,2,4-TRICHLOROBENZENE	120-82-1	UG L	0.5	U	
8260C	1,2-DIBROMO-3-CHLOROPROPANE	96-12-8	UG L	0.75	U	
8260C	1,2-DIBROMOETHANE	106-93-4	UG L	0.5	U	
8260C	1,2-DICHLOROBENZENE	95-50-1	UG L	0.5	U	
8260C	1,2-DICHLOROETHANE	107-06-2	UG L	0.5	U	
8260C	1,2-DICHLOROETHENE, TOTAL	540-59-0	UG L	1	U	
8260C	1,2-DICHLOROPROPANE	78-87-5	UG L	0.5	U	
8260C	1,3-DICHLOROBENZENE	541-73-1	UG L	0.5	U	
8260C	1,4-DICHLOROBENZENE	106-46-7	UG L	0.5	U	
8260C	2-BUTANONE	78-93-3	UG L	2.5	U	
8260C	2-HEXANONE	591-78-6	UG L	2.5	U	
8260C	4-METHYL-2-PENTANONE	108-10-1	UG L	2.5	UJ	C
8260C	ACETONE	67-64-1	UG L	2.5	U	
8260C	BENZENE	71-43-2	UG L	0.5	U	
8260C	BROMODICHLOROMETHANE	75-27-4	UG L	0.5	U	
8260C	BROMOFORM	75-25-2	UG L	0.5	U	
8260C	BROMOMETHANE	74-83-9	UG L	1	U	
8260C	CARBON DISULFIDE	75-15-0	UG L	0.5	U	
8260C	CARBON TETRACHLORIDE	56-23-5	UG L	0.5	U	
8260C	CHLOROBENZENE	108-90-7	UG L	0.5	U	
8260C	CHLOROETHANE	75-00-3	UG L	1	UJ	C
8260C	CHLOROFORM	67-66-3	UG L	0.5	U	
8260C	CHLOROMETHANE	74-87-3	UG L	1	U	
8260C	CIS-1,2-DICHLOROETHENE	156-59-2	UG L	0.5	U	
8260C	CIS-1,3-DICHLOROPROPENE	10061-01-5	UG L	0.5	U	
8260C	CYCLOHEXANE	110-82-7	UG L	0.5	U	
8260C	DIBROMOCHLOROMETHANE	124-48-1	UG L	0.5	U	
8260C	DICHLORODIFLUOROMETHANE	75-71-8	UG L	1	U	
8260C	ETHYL BENZENE	100-41-4	UG L	0.5	U	
8260C	ISOPROPYL BENZENE	98-82-8	UG L	0.5	U	
8260C	M- AND P-XYLENE	108-38-3/106-42	UG L	1	U	
8260C	METHYL ACETATE	79-20-9	UG L	0.75	U	
8260C	METHYL CYCLOHEXANE	108-87-2	UG L	0.5	U	
8260C	METHYL TERT-BUTYL ETHER	1634-04-4	UG L	0.5	U	
8260C	METHYLINE CHLORIDE	75-09-2	UG L	2.5	U	
8260C	O-XYLENE	95-47-6	UG L	0.5	U	
8260C	STYRENE	100-42-5	UG L	0.5	U	
8260C	TETRACHLOROETHENE	127-18-4	UG L	0.5	UJ	C
8260C	TOLUENE	108-88-3	UG L	0.5	U	
8260C	TRANS-1,2-DICHLOROETHENE	156-60-5	UG L	0.5	U	
8260C	TRANS-1,3-DICHLOROPROPENE	10061-02-6	UG L	0.5	U	
8260C	TRICHLOROETHENE	79-01-6	UG L	0.5	U	
8260C	TRICHLOROFUOROMETHANE	75-69-4	UG L	1	U	
8260C	VINYL CHLORIDE	75-01-4	UG L	1	U	
8260C	XYLENES, TOTAL	1330-20-7	UG L	1.5	U	

*Notes:*

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- MG\_L = Milligrams per liter
- UG\_L = Micrograms per liter
- Qual = Final qualifiers (See Attachment B)
- RC = Reason codes (See Attachment C)

Final Results after Data Review  
NWIRP Bethpage OU 2 Regional Groundwater Investigation

Method	Analyte	CAS No	Units	Sample Delivery Group		
				Lab ID	Sample ID	TI0383
				Sample Date	Sample Type	TI0383-1
						VPB163-TB-122215
						12/22/2015
						Trip Blank
Method	Analyte	CAS No	Units	Result	Qual	RC
5310B	TOTAL ORGANIC CARBON	-28	MG L	NA		
8260C	1,1,1-TRICHLOROETHANE	71-55-6	UG L	0.5	U	
8260C	1,1,2,2-TETRACHLOROETHANE	79-34-5	UG L	0.5	U	
8260C	1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	76-13-1	UG L	0.5	U	
8260C	1,1,2-TRICHLOROETHANE	79-00-5	UG L	0.5	U	
8260C	1,1-DICHLOROETHANE	75-34-3	UG L	0.5	U	
8260C	1,1-DICHLOROETHENE	75-35-4	UG L	0.5	U	
8260C	1,2,4-TRICHLOROBENZENE	120-82-1	UG L	0.5	U	
8260C	1,2-DIBROMO-3-CHLOROPROPANE	96-12-8	UG L	0.75	U	
8260C	1,2-DIBROMOETHANE	106-93-4	UG L	0.5	U	
8260C	1,2-DICHLOROBENZENE	95-50-1	UG L	0.5	U	
8260C	1,2-DICHLOROETHANE	107-06-2	UG L	0.5	U	
8260C	1,2-DICHLOROETHENE, TOTAL	540-59-0	UG L	1	U	
8260C	1,2-DICHLOROPROPANE	78-87-5	UG L	0.5	U	
8260C	1,3-DICHLOROBENZENE	541-73-1	UG L	0.5	U	
8260C	1,4-DICHLOROBENZENE	106-46-7	UG L	0.5	U	
8260C	2-BUTANONE	78-93-3	UG L	2.5	U	
8260C	2-HEXANONE	591-78-6	UG L	2.5	U	
8260C	4-METHYL-2-PENTANONE	108-10-1	UG L	2.5	U	
8260C	ACETONE	67-64-1	UG L	2.5	UJ	C
8260C	BENZENE	71-43-2	UG L	0.5	U	
8260C	BROMODICHLOROMETHANE	75-27-4	UG L	0.5	U	
8260C	BROMOFORM	75-25-2	UG L	0.5	U	
8260C	BROMOMETHANE	74-83-9	UG L	1	U	
8260C	CARBON DISULFIDE	75-15-0	UG L	0.5	U	
8260C	CARBON TETRACHLORIDE	56-23-5	UG L	0.5	U	
8260C	CHLOROBENZENE	108-90-7	UG L	0.5	U	
8260C	CHLOROETHANE	75-00-3	UG L	1	U	
8260C	CHLOROFORM	67-66-3	UG L	0.5	U	
8260C	CHLOROMETHANE	74-87-3	UG L	1	U	
8260C	CIS-1,2-DICHLOROETHENE	156-59-2	UG L	0.5	U	
8260C	CIS-1,3-DICHLOROPROPENE	10061-01-5	UG L	0.5	U	
8260C	CYCLOHEXANE	110-82-7	UG L	0.5	U	
8260C	DIBROMOCHLOROMETHANE	124-48-1	UG L	0.5	U	
8260C	DICHLORODIFLUOROMETHANE	75-71-8	UG L	1	U	
8260C	ETHYL BENZENE	100-41-4	UG L	0.5	U	
8260C	ISOPROPYL BENZENE	98-82-8	UG L	0.5	U	
8260C	M- AND P-XYLENE	108-38-3/106-42	UG L	1	U	
8260C	METHYL ACETATE	79-20-9	UG L	0.75	U	
8260C	METHYL CYCLOHEXANE	108-87-2	UG L	0.5	U	
8260C	METHYL TERT-BUTYL ETHER	1634-04-4	UG L	0.5	U	
8260C	METHYLENE CHLORIDE	75-09-2	UG L	2.5	U	
8260C	O-XYLENE	95-47-6	UG L	0.5	U	
8260C	STYRENE	100-42-5	UG L	0.5	U	
8260C	TETRACHLOROETHENE	127-18-4	UG L	0.5	U	
8260C	TOLUENE	108-88-3	UG L	0.5	U	
8260C	TRANS-1,2-DICHLOROETHENE	156-60-5	UG L	0.5	U	
8260C	TRANS-1,3-DICHLOROPROPENE	10061-02-6	UG L	0.5	U	
8260C	TRICHLOROETHENE	79-01-6	UG L	0.5	U	
8260C	TRICHLOROFUOROMETHANE	75-69-4	UG L	1	U	
8260C	VINYL CHLORIDE	75-01-4	UG L	1	U	
8260C	XYLENES, TOTAL	1330-20-7	UG L	1.5	U	

*Notes:*

- NA = Not Analyzed
- MG\_L = Milligrams per liter
- UG\_L = Micrograms per liter
- Qual = Final qualifiers (See Attachment B)
- RC = Reason codes (See Attachment C)

Final Results after Data Review  
NWIRP Bethpage OU 2 Regional Groundwater Investigation

Method	Analyte	CAS No	Units	Sample Delivery Group		
				Lab ID	Sample ID	TI0459
				Sample Date	Sample Type	TI0459-4
						VPB163-TB-122915
						12/29/2015
						Trip Blank
Method	Analyte	CAS No	Units	Result	Qual	RC
5310B	TOTAL ORGANIC CARBON	-28	MG L	NA		
8260C	1,1,1-TRICHLOROETHANE	71-55-6	UG L	0.5	U	
8260C	1,1,2,2-TETRACHLOROETHANE	79-34-5	UG L	0.5	U	
8260C	1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	76-13-1	UG L	0.5	U	
8260C	1,1,2-TRICHLOROETHANE	79-00-5	UG L	0.5	U	
8260C	1,1-DICHLOROETHANE	75-34-3	UG L	0.5	U	
8260C	1,1-DICHLOROETHENE	75-35-4	UG L	0.5	UJ	c
8260C	1,2,4-TRICHLOROBENZENE	120-82-1	UG L	0.5	U	
8260C	1,2-DIBROMO-3-CHLOROPROPANE	96-12-8	UG L	0.75	U	
8260C	1,2-DIBROMOETHANE	106-93-4	UG L	0.5	U	
8260C	1,2-DICHLOROBENZENE	95-50-1	UG L	0.5	U	
8260C	1,2-DICHLOROETHANE	107-06-2	UG L	0.5	U	
8260C	1,2-DICHLOROETHENE, TOTAL	540-59-0	UG L	1	U	
8260C	1,2-DICHLOROPROPANE	78-87-5	UG L	0.5	U	
8260C	1,3-DICHLOROBENZENE	541-73-1	UG L	0.5	U	
8260C	1,4-DICHLOROBENZENE	106-46-7	UG L	0.5	U	
8260C	2-BUTANONE	78-93-3	UG L	2.5	U	
8260C	2-HEXANONE	591-78-6	UG L	2.5	U	
8260C	4-METHYL-2-PENTANONE	108-10-1	UG L	2.5	U	
8260C	ACETONE	67-64-1	UG L	2.5	UJ	c
8260C	BENZENE	71-43-2	UG L	0.5	U	
8260C	BROMODICHLOROMETHANE	75-27-4	UG L	0.5	U	
8260C	BROMOFORM	75-25-2	UG L	0.5	U	
8260C	BROMOMETHANE	74-83-9	UG L	1	U	
8260C	CARBON DISULFIDE	75-15-0	UG L	0.5	UJ	c
8260C	CARBON TETRACHLORIDE	56-23-5	UG L	0.5	U	
8260C	CHLOROBENZENE	108-90-7	UG L	0.5	U	
8260C	CHLOROETHANE	75-00-3	UG L	1	UJ	c
8260C	CHLOROFORM	67-66-3	UG L	0.5	U	
8260C	CHLOROMETHANE	74-87-3	UG L	1	UJ	c
8260C	CIS-1,2-DICHLOROETHENE	156-59-2	UG L	0.5	U	
8260C	CIS-1,3-DICHLOROPROPENE	10061-01-5	UG L	0.5	U	
8260C	CYCLOHEXANE	110-82-7	UG L	0.5	U	
8260C	DIBROMOCHLOROMETHANE	124-48-1	UG L	0.5	U	
8260C	DICHLORODIFLUOROMETHANE	75-71-8	UG L	1	UJ	c
8260C	ETHYL BENZENE	100-41-4	UG L	0.5	U	
8260C	ISOPROPYL BENZENE	98-82-8	UG L	0.5	U	
8260C	M- AND P-XYLENE	108-38-3/106-42	UG L	1	U	
8260C	METHYL ACETATE	79-20-9	UG L	0.75	U	
8260C	METHYL CYCLOHEXANE	108-87-2	UG L	0.5	U	
8260C	METHYL TERT-BUTYL ETHER	1634-04-4	UG L	0.5	U	
8260C	METHYLINE CHLORIDE	75-09-2	UG L	2.5	U	
8260C	O-XYLENE	95-47-6	UG L	0.5	U	
8260C	STYRENE	100-42-5	UG L	0.5	U	
8260C	TETRACHLOROETHENE	127-18-4	UG L	0.5	UJ	c
8260C	TOLUENE	108-88-3	UG L	0.5	U	
8260C	TRANS-1,2-DICHLOROETHENE	156-60-5	UG L	0.5	U	
8260C	TRANS-1,3-DICHLOROPROPENE	10061-02-6	UG L	0.5	U	
8260C	TRICHLOROETHENE	79-01-6	UG L	0.5	U	
8260C	TRICHLOROFUOROMETHANE	75-69-4	UG L	1	U	
8260C	VINYL CHLORIDE	75-01-4	UG L	1	UJ	c
8260C	XYLENES, TOTAL	1330-20-7	UG L	1.5	U	

*Notes:*

- NA = Not Analyzed
- MG\_L = Milligrams per liter
- UG\_L = Micrograms per liter
- Qual = Final qualifiers (See Attachment B)
- RC = Reason codes (See Attachment C)

Final Results after Data Review  
NWIRP Bethpage OU 2 Regional Groundwater Investigation

Sample Delivery Group				SJ0035	
Lab ID				SJ0035-2	
Sample ID				VPB163-GW-123115-458-460	
Sample Date				12/31/2015	
Sample Type				Groundwater	
Method	Analyte	CAS No	Units	Result	Qual
8260C	1,1,1-TRICHLOROETHANE	71-55-6	UG_L	0.5	U
8260C	1,1,2,2-TETRACHLOROETHANE	79-34-5	UG_L	0.5	U
8260C	1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	76-13-1	UG_L	0.5	U
8260C	1,1,2-TRICHLOROETHANE	79-00-5	UG_L	0.5	U
8260C	1,1-DICHLOROETHANE	75-34-3	UG_L	0.5	U
8260C	1,1-DICHLOROETHENE	75-35-4	UG_L	0.5	U
8260C	1,2,4-TRICHLOROBENZENE	120-82-1	UG_L	0.5	U
8260C	1,2-DIBROMO-3-CHLOROPROPANE	96-12-8	UG_L	0.75	U
8260C	1,2-DIBROMOETHANE	106-93-4	UG_L	0.5	U
8260C	1,2-DICHLOROBENZENE	95-50-1	UG_L	0.5	U
8260C	1,2-DICHLOROETHANE	107-06-2	UG_L	0.5	U
8260C	1,2-DICHLOROETHENE, TOTAL	540-59-0	UG_L	1	U
8260C	1,2-DICHLOROPROPANE	78-87-5	UG_L	0.5	U
8260C	1,3-DICHLOROBENZENE	541-73-1	UG_L	0.5	U
8260C	1,4-DICHLOROBENZENE	106-46-7	UG_L	0.5	U
8260C	2-BUTANONE	78-93-3	UG_L	2.5	U
8260C	2-HEXANONE	591-78-6	UG_L	2.5	U
8260C	4-METHYL-2-PENTANONE	108-10-1	UG_L	2.5	U
8260C	ACETONE	67-64-1	UG_L	2.4	J
8260C	BENZENE	71-43-2	UG_L	0.5	U
8260C	BROMODICHLOROMETHANE	75-27-4	UG_L	0.5	U
8260C	BROMOFORM	75-25-2	UG_L	0.5	U
8260C	BROMOMETHANE	74-83-9	UG_L	1	U
8260C	CARBON DISULFIDE	75-15-0	UG_L	0.5	U
8260C	CARBON TETRACHLORIDE	56-23-5	UG_L	0.5	U
8260C	CHLOROBENZENE	108-90-7	UG_L	0.5	U
8260C	CHLOROETHANE	75-00-3	UG_L	1	U
8260C	CHLOROFORM	67-66-3	UG_L	0.5	U
8260C	CHLOROMETHANE	74-87-3	UG_L	1	U
8260C	CIS-1,2-DICHLOROETHENE	156-59-2	UG_L	0.5	U
8260C	CIS-1,3-DICHLOROPROPENE	10061-01-5	UG_L	0.5	U
8260C	CYCLOHEXANE	110-82-7	UG_L	0.5	U
8260C	DIBROMOCHLOROMETHANE	124-48-1	UG_L	0.5	U
8260C	DICHLORODIFLUOROMETHANE	75-71-8	UG_L	1	U
8260C	ETHYLBENZENE	100-41-4	UG_L	0.5	U
8260C	ISOPROPYLBENZENE	98-82-8	UG_L	0.5	U
8260C	M- AND P-XYLENE	108-38-3/106-42	UG_L	1	U
8260C	METHYL ACETATE	79-20-9	UG_L	0.75	U
8260C	METHYL CYCLOHEXANE	108-87-2	UG_L	0.5	U
8260C	METHYL TERT-BUTYL ETHER	1634-04-4	UG_L	0.5	U
8260C	METHYLENE CHLORIDE	75-09-2	UG_L	2.5	U
8260C	O-XYLENE	95-47-6	UG_L	0.5	U
8260C	STYRENE	100-42-5	UG_L	0.5	U
8260C	TETRACHLOROETHENE	127-18-4	UG_L	0.5	UJ
8260C	TOLUENE	108-88-3	UG_L	0.5	U
8260C	TRANS-1,2-DICHLOROETHENE	156-60-5	UG_L	0.5	U
8260C	TRANS-1,3-DICHLOROPROPENE	10061-02-6	UG_L	0.5	U
8260C	TRICHLOROETHENE	79-01-6	UG_L	0.5	U
8260C	TRICHLOROFUOROMETHANE	75-69-4	UG_L	1	U
8260C	VINYL CHLORIDE	75-01-4	UG_L	1	U
8260C	XYLENES, TOTAL	1330-20-7	UG_L	1.5	U

*Notes:*

- UG\_L = Micrograms per liter
- Qual = Final qualifiers (See Attachment B)
- RC = Reason codes (See Attachment C)

Final Results after Data Review  
NWIRP Bethpage OU 2 Regional Groundwater Investigation

Sample Delivery Group				SJ0035		
Lab ID				SJ0035-3		
Sample ID				VPB163-GW-123115-478-480		
Sample Date				12/31/2015		
Sample Type				Groundwater		
Method	Analyte	CAS No	Units	Result	Qual	RC
8260C	1,1,1-TRICHLOROETHANE	71-55-6	UG_L	0.5	UJ	mc
8260C	1,1,2,2-TETRACHLOROETHANE	79-34-5	UG_L	0.5	UJ	mc
8260C	1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	76-13-1	UG_L	0.5	UJ	mc
8260C	1,1,2-TRICHLOROETHANE	79-00-5	UG_L	0.5	UJ	mc
8260C	1,1-DICHLOROETHANE	75-34-3	UG_L	0.5	UJ	mc
8260C	1,1-DICHLOROETHENE	75-35-4	UG_L	0.5	UJ	mc
8260C	1,2,4-TRICHLOROBENZENE	120-82-1	UG_L	0.5	UJ	mc
8260C	1,2-DIBROMO-3-CHLOROPROPANE	96-12-8	UG_L	0.75	UJ	mc
8260C	1,2-DIBROMOETHANE	106-93-4	UG_L	0.5	UJ	mc
8260C	1,2-DICHLOROBENZENE	95-50-1	UG_L	0.5	UJ	mc
8260C	1,2-DICHLOROETHANE	107-06-2	UG_L	0.5	UJ	mc
8260C	1,2-DICHLOROETHENE, TOTAL	540-59-0	UG_L	1	UJ	mc
8260C	1,2-DICHLOROPROPANE	78-87-5	UG_L	0.5	UJ	mc
8260C	1,3-DICHLOROBENZENE	541-73-1	UG_L	0.5	UJ	mc
8260C	1,4-DICHLOROBENZENE	106-46-7	UG_L	0.5	UJ	mc
8260C	2-BUTANONE	78-93-3	UG_L	2.5	UJ	mc
8260C	2-HEXANONE	591-78-6	UG_L	2.5	UJ	mc
8260C	4-METHYL-2-PENTANONE	108-10-1	UG_L	2.5	UJ	mc
8260C	ACETONE	67-64-1	UG_L	2.4	J	mc,c
8260C	BENZENE	71-43-2	UG_L	0.5	UJ	mc
8260C	BROMODICHLOROMETHANE	75-27-4	UG_L	0.5	UJ	mc
8260C	BROMOFORM	75-25-2	UG_L	0.5	UJ	mc
8260C	BROMOMETHANE	74-83-9	UG_L	1	UJ	mc
8260C	CARBON DISULFIDE	75-15-0	UG_L	0.5	UJ	mc
8260C	CARBON TETRACHLORIDE	56-23-5	UG_L	0.5	UJ	mc
8260C	CHLOROBENZENE	108-90-7	UG_L	0.5	UJ	mc
8260C	CHLOROETHANE	75-00-3	UG_L	1	UJ	mc
8260C	CHLOROFORM	67-66-3	UG_L	0.5	UJ	mc
8260C	CHLOROMETHANE	74-87-3	UG_L	1	UJ	mc
8260C	CIS-1,2-DICHLOROETHENE	156-59-2	UG_L	0.5	UJ	mc
8260C	CIS-1,3-DICHLOROPROPENE	10061-01-5	UG_L	0.5	UJ	mc
8260C	CYCLOHEXANE	110-82-7	UG_L	0.5	UJ	mc
8260C	DIBROMOCHLOROMETHANE	124-48-1	UG_L	0.5	UJ	mc
8260C	DICHLORODIFLUOROMETHANE	75-71-8	UG_L	1	UJ	mc
8260C	ETHYLBENZENE	100-41-4	UG_L	0.5	UJ	mc
8260C	ISOPROPYLBENZENE	98-82-8	UG_L	0.5	UJ	mc
8260C	M- AND P-XYLENE	108-38-3/106-42	UG_L	1	UJ	mc
8260C	METHYL ACETATE	79-20-9	UG_L	0.75	UJ	mc
8260C	METHYL CYCLOHEXANE	108-87-2	UG_L	0.5	UJ	mc
8260C	METHYL TERT-BUTYL ETHER	1634-04-4	UG_L	0.5	UJ	mc
8260C	METHYLENE CHLORIDE	75-09-2	UG_L	2.5	UJ	mc
8260C	O-XYLENE	95-47-6	UG_L	0.5	UJ	mc
8260C	STYRENE	100-42-5	UG_L	0.5	UJ	mc
8260C	TETRACHLOROETHENE	127-18-4	UG_L	0.5	UJ	mc,c
8260C	TOLUENE	108-88-3	UG_L	0.5	UJ	mc
8260C	TRANS-1,2-DICHLOROETHENE	156-60-5	UG_L	0.5	UJ	mc
8260C	TRANS-1,3-DICHLOROPROPENE	10061-02-6	UG_L	0.5	UJ	mc
8260C	TRICHLOROETHENE	79-01-6	UG_L	0.5	UJ	mc
8260C	TRICHLOROFUOROMETHANE	75-69-4	UG_L	1	UJ	mc
8260C	VINYL CHLORIDE	75-01-4	UG_L	1	UJ	mc
8260C	XYLENES, TOTAL	1330-20-7	UG_L	1.5	UJ	mc

*Notes:*

- UG\_L = Micrograms per liter  
 Qual = Final qualifiers (See Attachment B)  
 RC = Reason codes (See Attachment C)

Final Results after Data Review  
NWIRP Bethpage OU 2 Regional Groundwater Investigation

Sample Delivery Group				SJ0035		
Lab ID				SJ0035-4		
Sample ID				VPB163-GW-010416-503-505		
Sample Date				1/4/2016		
Sample Type				Groundwater		
Method	Analyte	CAS No	Units	Result	Qual	RC
8260C	1,1,1-TRICHLOROETHANE	71-55-6	UG_L	0.5	UJ	mc
8260C	1,1,2,2-TETRACHLOROETHANE	79-34-5	UG_L	0.5	UJ	mc
8260C	1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	76-13-1	UG_L	0.5	UJ	mc
8260C	1,1,2-TRICHLOROETHANE	79-00-5	UG_L	0.5	UJ	mc
8260C	1,1-DICHLOROETHANE	75-34-3	UG_L	0.5	UJ	mc
8260C	1,1-DICHLOROETHENE	75-35-4	UG_L	0.5	UJ	mc
8260C	1,2,4-TRICHLOROBENZENE	120-82-1	UG_L	0.5	UJ	mc
8260C	1,2-DIBROMO-3-CHLOROPROPANE	96-12-8	UG_L	0.75	UJ	mc
8260C	1,2-DIBROMOETHANE	106-93-4	UG_L	0.5	UJ	mc
8260C	1,2-DICHLOROBENZENE	95-50-1	UG_L	0.5	UJ	mc
8260C	1,2-DICHLOROETHANE	107-06-2	UG_L	0.5	UJ	mc
8260C	1,2-DICHLOROETHENE, TOTAL	540-59-0	UG_L	1	UJ	mc
8260C	1,2-DICHLOROPROPANE	78-87-5	UG_L	0.5	UJ	mc
8260C	1,3-DICHLOROBENZENE	541-73-1	UG_L	0.5	UJ	mc
8260C	1,4-DICHLOROBENZENE	106-46-7	UG_L	0.5	UJ	mc
8260C	2-BUTANONE	78-93-3	UG_L	2.5	UJ	mc
8260C	2-HEXANONE	591-78-6	UG_L	2.5	UJ	mc
8260C	4-METHYL-2-PENTANONE	108-10-1	UG_L	2.5	UJ	mc
8260C	ACETONE	67-64-1	UG_L	6.2	J	mc,c
8260C	BENZENE	71-43-2	UG_L	0.5	UJ	mc
8260C	BROMODICHLOROMETHANE	75-27-4	UG_L	0.5	UJ	mc
8260C	BROMOFORM	75-25-2	UG_L	0.5	UJ	mc
8260C	BROMOMETHANE	74-83-9	UG_L	1	UJ	mc
8260C	CARBON DISULFIDE	75-15-0	UG_L	0.5	UJ	mc
8260C	CARBON TETRACHLORIDE	56-23-5	UG_L	0.5	UJ	mc
8260C	CHLOROBENZENE	108-90-7	UG_L	0.5	UJ	mc
8260C	CHLOROETHANE	75-00-3	UG_L	1	UJ	mc
8260C	CHLOROFORM	67-66-3	UG_L	0.5	UJ	mc
8260C	CHLOROMETHANE	74-87-3	UG_L	1	UJ	mc
8260C	CIS-1,2-DICHLOROETHENE	156-59-2	UG_L	0.5	UJ	mc
8260C	CIS-1,3-DICHLOROPROPENE	10061-01-5	UG_L	0.5	UJ	mc
8260C	CYCLOHEXANE	110-82-7	UG_L	0.5	UJ	mc
8260C	DIBROMOCHLOROMETHANE	124-48-1	UG_L	0.5	UJ	mc
8260C	DICHLORODIFLUOROMETHANE	75-71-8	UG_L	1	UJ	mc
8260C	ETHYLBENZENE	100-41-4	UG_L	0.5	UJ	mc
8260C	ISOPROPYLBENZENE	98-82-8	UG_L	0.5	UJ	mc
8260C	M- AND P-XYLENE	108-38-3/106-42	UG_L	1	UJ	mc
8260C	METHYL ACETATE	79-20-9	UG_L	0.75	UJ	mc
8260C	METHYL CYCLOHEXANE	108-87-2	UG_L	0.5	UJ	mc
8260C	METHYL TERT-BUTYL ETHER	1634-04-4	UG_L	0.5	UJ	mc
8260C	METHYLENE CHLORIDE	75-09-2	UG_L	2.5	UJ	mc
8260C	O-XYLENE	95-47-6	UG_L	0.5	UJ	mc
8260C	STYRENE	100-42-5	UG_L	0.5	UJ	mc
8260C	TETRACHLOROETHENE	127-18-4	UG_L	0.5	UJ	mc,c
8260C	TOLUENE	108-88-3	UG_L	0.5	UJ	mc
8260C	TRANS-1,2-DICHLOROETHENE	156-60-5	UG_L	0.5	UJ	mc
8260C	TRANS-1,3-DICHLOROPROPENE	10061-02-6	UG_L	0.5	UJ	mc
8260C	TRICHLOROETHENE	79-01-6	UG_L	0.5	UJ	mc
8260C	TRICHLOROFUOROMETHANE	75-69-4	UG_L	1	UJ	mc
8260C	VINYL CHLORIDE	75-01-4	UG_L	1	UJ	mc
8260C	XYLENES, TOTAL	1330-20-7	UG_L	1.5	UJ	mc

*Notes:*

- UG\_L = Micrograms per liter  
 Qual = Final qualifiers (See Attachment B)  
 RC = Reason codes (See Attachment C)

Final Results after Data Review  
NWIRP Bethpage OU 2 Regional Groundwater Investigation

Sample Delivery Group				SJ0150	
Lab ID				SJ0150-2	
Sample ID				VPB163-GW-010516-518-520	
Sample Date				1/5/2016	
Sample Type				Groundwater	
Method	Analyte	CAS No	Units	Result	Qual
8260C	1,1,1-TRICHLOROETHANE	71-55-6	UG_L	0.5	U
8260C	1,1,2,2-TETRACHLOROETHANE	79-34-5	UG_L	0.5	U
8260C	1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	76-13-1	UG_L	0.5	U
8260C	1,1,2-TRICHLOROETHANE	79-00-5	UG_L	0.5	U
8260C	1,1-DICHLOROETHANE	75-34-3	UG_L	0.5	U
8260C	1,1-DICHLOROETHENE	75-35-4	UG_L	0.5	U
8260C	1,2,4-TRICHLOROBENZENE	120-82-1	UG_L	0.5	U
8260C	1,2-DIBROMO-3-CHLOROPROPANE	96-12-8	UG_L	0.75	U
8260C	1,2-DIBROMOETHANE	106-93-4	UG_L	0.5	U
8260C	1,2-DICHLOROBENZENE	95-50-1	UG_L	0.5	U
8260C	1,2-DICHLOROETHANE	107-06-2	UG_L	0.5	U
8260C	1,2-DICHLOROETHENE, TOTAL	540-59-0	UG_L	1	U
8260C	1,2-DICHLOROPROPANE	78-87-5	UG_L	0.5	U
8260C	1,3-DICHLOROBENZENE	541-73-1	UG_L	0.5	U
8260C	1,4-DICHLOROBENZENE	106-46-7	UG_L	0.5	U
8260C	2-BUTANONE	78-93-3	UG_L	2.5	U
8260C	2-HEXANONE	591-78-6	UG_L	2.5	U
8260C	4-METHYL-2-PENTANONE	108-10-1	UG_L	2.5	U
8260C	ACETONE	67-64-1	UG_L	2.5	UJ c
8260C	BENZENE	71-43-2	UG_L	0.5	U
8260C	BROMODICHLOROMETHANE	75-27-4	UG_L	0.5	U
8260C	BROMOFORM	75-25-2	UG_L	0.5	U
8260C	BROMOMETHANE	74-83-9	UG_L	1	U
8260C	CARBON DISULFIDE	75-15-0	UG_L	0.5	U
8260C	CARBON TETRACHLORIDE	56-23-5	UG_L	0.5	U
8260C	CHLOROBENZENE	108-90-7	UG_L	0.5	U
8260C	CHLOROETHANE	75-00-3	UG_L	1	U
8260C	CHLOROFORM	67-66-3	UG_L	0.5	U
8260C	CHLOROMETHANE	74-87-3	UG_L	1	U
8260C	CIS-1,2-DICHLOROETHENE	156-59-2	UG_L	0.5	U
8260C	CIS-1,3-DICHLOROPROPENE	10061-01-5	UG_L	0.5	U
8260C	CYCLOHEXANE	110-82-7	UG_L	0.5	U
8260C	DIBROMOCHLOROMETHANE	124-48-1	UG_L	0.5	U
8260C	DICHLORODIFLUOROMETHANE	75-71-8	UG_L	1	U
8260C	ETHYLBENZENE	100-41-4	UG_L	0.5	U
8260C	ISOPROPYLBENZENE	98-82-8	UG_L	0.5	U
8260C	M- AND P-XYLENE	108-38-3/106-42	UG_L	1	U
8260C	METHYL ACETATE	79-20-9	UG_L	0.75	U
8260C	METHYL CYCLOHEXANE	108-87-2	UG_L	0.5	U
8260C	METHYL TERT-BUTYL ETHER	1634-04-4	UG_L	0.5	U
8260C	METHYLENE CHLORIDE	75-09-2	UG_L	2.5	U
8260C	O-XYLENE	95-47-6	UG_L	0.5	U
8260C	STYRENE	100-42-5	UG_L	0.5	U
8260C	TETRACHLOROETHENE	127-18-4	UG_L	0.5	UJ c
8260C	TOLUENE	108-88-3	UG_L	0.5	U
8260C	TRANS-1,2-DICHLOROETHENE	156-60-5	UG_L	0.5	U
8260C	TRANS-1,3-DICHLOROPROPENE	10061-02-6	UG_L	0.5	U
8260C	TRICHLOROETHENE	79-01-6	UG_L	0.5	U
8260C	TRICHLOROFUOROMETHANE	75-69-4	UG_L	1	U
8260C	VINYL CHLORIDE	75-01-4	UG_L	1	U
8260C	XYLENES, TOTAL	1330-20-7	UG_L	1.5	U

*Notes:*

- UG\_L = Micrograms per liter
- Qual = Final qualifiers (See Attachment B)
- RC = Reason codes (See Attachment C)

Final Results after Data Review  
NWIRP Bethpage OU 2 Regional Groundwater Investigation

Sample Delivery Group				SJ0150	
Lab ID				SJ0150-3	
Sample ID				VPB163-GW-010516-538-540	
Sample Date				1/5/2016	
Sample Type				Groundwater	
Method	Analyte	CAS No	Units	Result	Qual
8260C	1,1,1-TRICHLOROETHANE	71-55-6	UG_L	0.5	UJ
8260C	1,1,2,2-TETRACHLOROETHANE	79-34-5	UG_L	0.5	UJ
8260C	1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	76-13-1	UG_L	0.5	UJ
8260C	1,1,2-TRICHLOROETHANE	79-00-5	UG_L	0.5	UJ
8260C	1,1-DICHLOROETHANE	75-34-3	UG_L	0.5	UJ
8260C	1,1-DICHLOROETHENE	75-35-4	UG_L	0.5	UJ
8260C	1,2,4-TRICHLOROBENZENE	120-82-1	UG_L	0.5	UJ
8260C	1,2-DIBROMO-3-CHLOROPROPANE	96-12-8	UG_L	0.75	UJ
8260C	1,2-DIBROMOETHANE	106-93-4	UG_L	0.5	UJ
8260C	1,2-DICHLOROBENZENE	95-50-1	UG_L	0.5	UJ
8260C	1,2-DICHLOROETHANE	107-06-2	UG_L	0.5	UJ
8260C	1,2-DICHLOROETHENE, TOTAL	540-59-0	UG_L	1	UJ
8260C	1,2-DICHLOROPROPANE	78-87-5	UG_L	0.5	UJ
8260C	1,3-DICHLOROBENZENE	541-73-1	UG_L	0.5	UJ
8260C	1,4-DICHLOROBENZENE	106-46-7	UG_L	0.5	UJ
8260C	2-BUTANONE	78-93-3	UG_L	2.5	U
8260C	2-HEXANONE	591-78-6	UG_L	2.5	UJ
8260C	4-METHYL-2-PENTANONE	108-10-1	UG_L	2.5	UJ
8260C	ACETONE	67-64-1	UG_L	3.3	J
8260C	BENZENE	71-43-2	UG_L	0.5	UJ
8260C	BROMODICHLOROMETHANE	75-27-4	UG_L	0.5	UJ
8260C	BROMOFORM	75-25-2	UG_L	0.5	UJ
8260C	BROMOMETHANE	74-83-9	UG_L	1	U
8260C	CARBON DISULFIDE	75-15-0	UG_L	0.5	U
8260C	CARBON TETRACHLORIDE	56-23-5	UG_L	0.5	UJ
8260C	CHLOROBENZENE	108-90-7	UG_L	0.5	UJ
8260C	CHLOROETHANE	75-00-3	UG_L	1	UJ
8260C	CHLOROFORM	67-66-3	UG_L	0.5	UJ
8260C	CHLOROMETHANE	74-87-3	UG_L	1	U
8260C	CIS-1,2-DICHLOROETHENE	156-59-2	UG_L	0.5	UJ
8260C	CIS-1,3-DICHLOROPROPENE	10061-01-5	UG_L	0.5	UJ
8260C	CYCLOHEXANE	110-82-7	UG_L	0.5	UJ
8260C	DIBROMOCHLOROMETHANE	124-48-1	UG_L	0.5	UJ
8260C	DICHLORODIFLUOROMETHANE	75-71-8	UG_L	1	U
8260C	ETHYLBENZENE	100-41-4	UG_L	0.5	UJ
8260C	ISOPROPYLBENZENE	98-82-8	UG_L	0.5	UJ
8260C	M- AND P-XYLENE	108-38-3/106-42	UG_L	1	UJ
8260C	METHYL ACETATE	79-20-9	UG_L	0.75	UJ
8260C	METHYL CYCLOHEXANE	108-87-2	UG_L	0.5	UJ
8260C	METHYL TERT-BUTYL ETHER	1634-04-4	UG_L	0.5	UJ
8260C	METHYLENE CHLORIDE	75-09-2	UG_L	2.5	UJ
8260C	O-XYLENE	95-47-6	UG_L	0.5	UJ
8260C	STYRENE	100-42-5	UG_L	0.5	UJ
8260C	TETRACHLOROETHENE	127-18-4	UG_L	0.5	UJ
8260C	TOLUENE	108-88-3	UG_L	0.5	UJ
8260C	TRANS-1,2-DICHLOROETHENE	156-60-5	UG_L	0.5	UJ
8260C	TRANS-1,3-DICHLOROPROPENE	10061-02-6	UG_L	0.5	UJ
8260C	TRICHLOROETHENE	79-01-6	UG_L	0.5	UJ
8260C	TRICHLOROFUOROMETHANE	75-69-4	UG_L	1	UJ
8260C	VINYL CHLORIDE	75-01-4	UG_L	1	U
8260C	XYLENES, TOTAL	1330-20-7	UG_L	1.5	UJ

*Notes:*

- UG\_L = Micrograms per liter
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- RC = Reason codes (See Attachment C)

Final Results after Data Review  
NWIRP Bethpage OU 2 Regional Groundwater Investigation

Sample Delivery Group				SJ0150		
Lab ID				SJ0150-4		
Sample ID				VPB163-GWD-010516		
Sample Date				1/5/2016		
Sample Type				Field Duplicate		
Method	Analyte	CAS No	Units	Result	Qual	RC
8260C	1,1,1-TRICHLOROETHANE	71-55-6	UG_L	0.5	U	
8260C	1,1,2,2-TETRACHLOROETHANE	79-34-5	UG_L	0.5	U	
8260C	1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	76-13-1	UG_L	0.5	U	
8260C	1,1,2-TRICHLOROETHANE	79-00-5	UG_L	0.5	U	
8260C	1,1-DICHLOROETHANE	75-34-3	UG_L	0.5	U	
8260C	1,1-DICHLOROETHENE	75-35-4	UG_L	0.5	U	
8260C	1,2,4-TRICHLOROBENZENE	120-82-1	UG_L	0.5	U	
8260C	1,2-DIBROMO-3-CHLOROPROPANE	96-12-8	UG_L	0.75	U	
8260C	1,2-DIBROMOETHANE	106-93-4	UG_L	0.5	U	
8260C	1,2-DICHLOROBENZENE	95-50-1	UG_L	0.5	U	
8260C	1,2-DICHLOROETHANE	107-06-2	UG_L	0.5	U	
8260C	1,2-DICHLOROETHENE, TOTAL	540-59-0	UG_L	1	U	
8260C	1,2-DICHLOROPROPANE	78-87-5	UG_L	0.5	U	
8260C	1,3-DICHLOROBENZENE	541-73-1	UG_L	0.5	U	
8260C	1,4-DICHLOROBENZENE	106-46-7	UG_L	0.5	U	
8260C	2-BUTANONE	78-93-3	UG_L	2.5	U	
8260C	2-HEXANONE	591-78-6	UG_L	2.5	U	
8260C	4-METHYL-2-PENTANONE	108-10-1	UG_L	2.5	U	
8260C	ACETONE	67-64-1	UG_L	2.6	J	c
8260C	BENZENE	71-43-2	UG_L	0.5	U	
8260C	BROMODICHLOROMETHANE	75-27-4	UG_L	0.5	U	
8260C	BROMOFORM	75-25-2	UG_L	0.5	U	
8260C	BROMOMETHANE	74-83-9	UG_L	1	U	
8260C	CARBON DISULFIDE	75-15-0	UG_L	0.5	U	
8260C	CARBON TETRACHLORIDE	56-23-5	UG_L	0.5	U	
8260C	CHLOROBENZENE	108-90-7	UG_L	0.5	U	
8260C	CHLOROETHANE	75-00-3	UG_L	1	U	
8260C	CHLOROFORM	67-66-3	UG_L	0.5	U	
8260C	CHLOROMETHANE	74-87-3	UG_L	1	U	
8260C	CIS-1,2-DICHLOROETHENE	156-59-2	UG_L	0.5	U	
8260C	CIS-1,3-DICHLOROPROPENE	10061-01-5	UG_L	0.5	U	
8260C	CYCLOHEXANE	110-82-7	UG_L	0.5	U	
8260C	DIBROMOCHLOROMETHANE	124-48-1	UG_L	0.5	U	
8260C	DICHLORODIFLUOROMETHANE	75-71-8	UG_L	1	U	
8260C	ETHYLBENZENE	100-41-4	UG_L	0.5	U	
8260C	ISOPROPYLBENZENE	98-82-8	UG_L	0.5	U	
8260C	M- AND P-XYLENE	108-38-3/106-42	UG_L	1	U	
8260C	METHYL ACETATE	79-20-9	UG_L	0.75	U	
8260C	METHYL CYCLOHEXANE	108-87-2	UG_L	0.5	U	
8260C	METHYL TERT-BUTYL ETHER	1634-04-4	UG_L	0.5	U	
8260C	METHYLENE CHLORIDE	75-09-2	UG_L	2.5	U	
8260C	O-XYLENE	95-47-6	UG_L	0.5	U	
8260C	STYRENE	100-42-5	UG_L	0.5	U	
8260C	TETRACHLOROETHENE	127-18-4	UG_L	0.5	UJ	c
8260C	TOLUENE	108-88-3	UG_L	0.5	U	
8260C	TRANS-1,2-DICHLOROETHENE	156-60-5	UG_L	0.5	U	
8260C	TRANS-1,3-DICHLOROPROPENE	10061-02-6	UG_L	0.5	U	
8260C	TRICHLOROETHENE	79-01-6	UG_L	0.5	U	
8260C	TRICHLOROFUOROMETHANE	75-69-4	UG_L	1	U	
8260C	VINYL CHLORIDE	75-01-4	UG_L	1	U	
8260C	XYLENES, TOTAL	1330-20-7	UG_L	1.5	U	

*Notes:*

- UG\_L = Micrograms per liter
- Qual = Final qualifiers (See Attachment B)
- RC = Reason codes (See Attachment C)

Final Results after Data Review  
NWIRP Bethpage OU 2 Regional Groundwater Investigation

Sample Delivery Group				SJ0150	
Lab ID				SJ0150-5	
Sample ID				VPB163-GW-010616-558-560	
Sample Date				1/6/2016	
Sample Type				Groundwater	
Method	Analyte	CAS No	Units	Result	Qual
8260C	1,1,1-TRICHLOROETHANE	71-55-6	UG_L	0.5	U
8260C	1,1,2,2-TETRACHLOROETHANE	79-34-5	UG_L	0.5	U
8260C	1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	76-13-1	UG_L	0.5	U
8260C	1,1,2-TRICHLOROETHANE	79-00-5	UG_L	0.5	U
8260C	1,1-DICHLOROETHANE	75-34-3	UG_L	0.5	U
8260C	1,1-DICHLOROETHENE	75-35-4	UG_L	0.5	U
8260C	1,2,4-TRICHLOROBENZENE	120-82-1	UG_L	0.5	U
8260C	1,2-DIBROMO-3-CHLOROPROPANE	96-12-8	UG_L	0.75	U
8260C	1,2-DIBROMOETHANE	106-93-4	UG_L	0.5	U
8260C	1,2-DICHLOROBENZENE	95-50-1	UG_L	0.5	U
8260C	1,2-DICHLOROETHANE	107-06-2	UG_L	0.5	U
8260C	1,2-DICHLOROETHENE, TOTAL	540-59-0	UG_L	1	U
8260C	1,2-DICHLOROPROPANE	78-87-5	UG_L	0.5	U
8260C	1,3-DICHLOROBENZENE	541-73-1	UG_L	0.5	U
8260C	1,4-DICHLOROBENZENE	106-46-7	UG_L	0.5	U
8260C	2-BUTANONE	78-93-3	UG_L	2.5	U
8260C	2-HEXANONE	591-78-6	UG_L	2.5	U
8260C	4-METHYL-2-PENTANONE	108-10-1	UG_L	2.5	U
8260C	ACETONE	67-64-1	UG_L	2.5	UJ c
8260C	BENZENE	71-43-2	UG_L	0.5	U
8260C	BROMODICHLOROMETHANE	75-27-4	UG_L	0.5	U
8260C	BROMOFORM	75-25-2	UG_L	0.5	U
8260C	BROMOMETHANE	74-83-9	UG_L	1	U
8260C	CARBON DISULFIDE	75-15-0	UG_L	0.5	U
8260C	CARBON TETRACHLORIDE	56-23-5	UG_L	0.5	U
8260C	CHLOROBENZENE	108-90-7	UG_L	0.5	U
8260C	CHLOROETHANE	75-00-3	UG_L	1	U
8260C	CHLOROFORM	67-66-3	UG_L	0.5	U
8260C	CHLOROMETHANE	74-87-3	UG_L	1	U
8260C	CIS-1,2-DICHLOROETHENE	156-59-2	UG_L	0.5	U
8260C	CIS-1,3-DICHLOROPROPENE	10061-01-5	UG_L	0.5	U
8260C	CYCLOHEXANE	110-82-7	UG_L	0.5	U
8260C	DIBROMOCHLOROMETHANE	124-48-1	UG_L	0.5	U
8260C	DICHLORODIFLUOROMETHANE	75-71-8	UG_L	1	U
8260C	ETHYLBENZENE	100-41-4	UG_L	0.5	U
8260C	ISOPROPYLBENZENE	98-82-8	UG_L	0.5	U
8260C	M- AND P-XYLENE	108-38-3/106-42	UG_L	1	U
8260C	METHYL ACETATE	79-20-9	UG_L	0.75	U
8260C	METHYL CYCLOHEXANE	108-87-2	UG_L	0.5	U
8260C	METHYL TERT-BUTYL ETHER	1634-04-4	UG_L	0.5	U
8260C	METHYLENE CHLORIDE	75-09-2	UG_L	2.5	U
8260C	O-XYLENE	95-47-6	UG_L	0.5	U
8260C	STYRENE	100-42-5	UG_L	0.5	U
8260C	TETRACHLOROETHENE	127-18-4	UG_L	0.5	UJ c
8260C	TOLUENE	108-88-3	UG_L	0.5	U
8260C	TRANS-1,2-DICHLOROETHENE	156-60-5	UG_L	0.5	U
8260C	TRANS-1,3-DICHLOROPROPENE	10061-02-6	UG_L	0.5	U
8260C	TRICHLOROETHENE	79-01-6	UG_L	0.5	U
8260C	TRICHLOROFUOROMETHANE	75-69-4	UG_L	1	U
8260C	VINYL CHLORIDE	75-01-4	UG_L	1	U
8260C	XYLENES, TOTAL	1330-20-7	UG_L	1.5	U

*Notes:*

- UG\_L = Micrograms per liter
- Qual = Final qualifiers (See Attachment B)
- RC = Reason codes (See Attachment C)

Final Results after Data Review  
NWIRP Bethpage OU 2 Regional Groundwater Investigation

Sample Delivery Group				SJ0150	
Lab ID				SJ0150-7	
Sample ID				VPB163-GW-010716-583-585	
Sample Date				1/7/2016	
Sample Type				Groundwater	
Method	Analyte	CAS No	Units	Result	Qual
8260C	1,1,1-TRICHLOROETHANE	71-55-6	UG_L	0.5	U
8260C	1,1,2,2-TETRACHLOROETHANE	79-34-5	UG_L	0.5	U
8260C	1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	76-13-1	UG_L	0.5	U
8260C	1,1,2-TRICHLOROETHANE	79-00-5	UG_L	0.5	U
8260C	1,1-DICHLOROETHANE	75-34-3	UG_L	0.5	U
8260C	1,1-DICHLOROETHENE	75-35-4	UG_L	0.5	U
8260C	1,2,4-TRICHLOROBENZENE	120-82-1	UG_L	0.5	U
8260C	1,2-DIBROMO-3-CHLOROPROPANE	96-12-8	UG_L	0.75	U
8260C	1,2-DIBROMOETHANE	106-93-4	UG_L	0.5	U
8260C	1,2-DICHLOROBENZENE	95-50-1	UG_L	0.5	U
8260C	1,2-DICHLOROETHANE	107-06-2	UG_L	0.5	U
8260C	1,2-DICHLOROETHENE, TOTAL	540-59-0	UG_L	1	U
8260C	1,2-DICHLOROPROPANE	78-87-5	UG_L	0.5	U
8260C	1,3-DICHLOROBENZENE	541-73-1	UG_L	0.5	U
8260C	1,4-DICHLOROBENZENE	106-46-7	UG_L	0.5	U
8260C	2-BUTANONE	78-93-3	UG_L	2.5	U
8260C	2-HEXANONE	591-78-6	UG_L	2.5	U
8260C	4-METHYL-2-PENTANONE	108-10-1	UG_L	2.5	U
8260C	ACETONE	67-64-1	UG_L	2.3	J
8260C	BENZENE	71-43-2	UG_L	0.5	U
8260C	BROMODICHLOROMETHANE	75-27-4	UG_L	0.5	U
8260C	BROMOFORM	75-25-2	UG_L	0.5	U
8260C	BROMOMETHANE	74-83-9	UG_L	1	U
8260C	CARBON DISULFIDE	75-15-0	UG_L	0.5	U
8260C	CARBON TETRACHLORIDE	56-23-5	UG_L	0.5	U
8260C	CHLOROBENZENE	108-90-7	UG_L	0.5	U
8260C	CHLOROETHANE	75-00-3	UG_L	1	U
8260C	CHLOROFORM	67-66-3	UG_L	0.5	U
8260C	CHLOROMETHANE	74-87-3	UG_L	1	U
8260C	CIS-1,2-DICHLOROETHENE	156-59-2	UG_L	0.5	U
8260C	CIS-1,3-DICHLOROPROPENE	10061-01-5	UG_L	0.5	U
8260C	CYCLOHEXANE	110-82-7	UG_L	0.5	U
8260C	DIBROMOCHLOROMETHANE	124-48-1	UG_L	0.5	U
8260C	DICHLORODIFLUOROMETHANE	75-71-8	UG_L	1	U
8260C	ETHYLBENZENE	100-41-4	UG_L	0.5	U
8260C	ISOPROPYLBENZENE	98-82-8	UG_L	0.5	U
8260C	M- AND P-XYLENE	108-38-3/106-42	UG_L	1	U
8260C	METHYL ACETATE	79-20-9	UG_L	0.75	U
8260C	METHYL CYCLOHEXANE	108-87-2	UG_L	0.5	U
8260C	METHYL TERT-BUTYL ETHER	1634-04-4	UG_L	0.5	U
8260C	METHYLENE CHLORIDE	75-09-2	UG_L	2.5	U
8260C	O-XYLENE	95-47-6	UG_L	0.5	U
8260C	STYRENE	100-42-5	UG_L	0.5	U
8260C	TETRACHLOROETHENE	127-18-4	UG_L	0.5	UJ
8260C	TOLUENE	108-88-3	UG_L	0.5	U
8260C	TRANS-1,2-DICHLOROETHENE	156-60-5	UG_L	0.5	U
8260C	TRANS-1,3-DICHLOROPROPENE	10061-02-6	UG_L	0.5	U
8260C	TRICHLOROETHENE	79-01-6	UG_L	0.5	U
8260C	TRICHLOROFUOROMETHANE	75-69-4	UG_L	1	U
8260C	VINYL CHLORIDE	75-01-4	UG_L	1	U
8260C	XYLENES, TOTAL	1330-20-7	UG_L	1.5	U

*Notes:*

- UG\_L = Micrograms per liter
- Qual = Final qualifiers (See Attachment B)
- RC = Reason codes (See Attachment C)

Final Results after Data Review  
NWIRP Bethpage OU 2 Regional Groundwater Investigation

Sample Delivery Group				SJ0227	
Lab ID				SJ0227-2	
Sample ID				VPB163-GW-010816-603-605	
Sample Date				1/8/2016	
Sample Type				Groundwater	
Method	Analyte	CAS No	Units	Result	Qual
8260C	1,1,1-TRICHLOROETHANE	71-55-6	UG_L	0.5	U
8260C	1,1,2,2-TETRACHLOROETHANE	79-34-5	UG_L	0.5	U
8260C	1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	76-13-1	UG_L	0.5	U
8260C	1,1,2-TRICHLOROETHANE	79-00-5	UG_L	0.5	U
8260C	1,1-DICHLOROETHANE	75-34-3	UG_L	0.5	U
8260C	1,1-DICHLOROETHENE	75-35-4	UG_L	0.5	U
8260C	1,2,4-TRICHLOROBENZENE	120-82-1	UG_L	0.5	U
8260C	1,2-DIBROMO-3-CHLOROPROPANE	96-12-8	UG_L	0.75	U
8260C	1,2-DIBROMOETHANE	106-93-4	UG_L	0.5	U
8260C	1,2-DICHLOROBENZENE	95-50-1	UG_L	0.5	U
8260C	1,2-DICHLOROETHANE	107-06-2	UG_L	0.5	U
8260C	1,2-DICHLOROETHENE, TOTAL	540-59-0	UG_L	1	U
8260C	1,2-DICHLOROPROPANE	78-87-5	UG_L	0.5	U
8260C	1,3-DICHLOROBENZENE	541-73-1	UG_L	0.5	U
8260C	1,4-DICHLOROBENZENE	106-46-7	UG_L	0.5	U
8260C	2-BUTANONE	78-93-3	UG_L	2.5	U
8260C	2-HEXANONE	591-78-6	UG_L	2.5	U
8260C	4-METHYL-2-PENTANONE	108-10-1	UG_L	2.5	U
8260C	ACETONE	67-64-1	UG_L	2.5	UJ bt,c
8260C	BENZENE	71-43-2	UG_L	0.5	U
8260C	BROMODICHLOROMETHANE	75-27-4	UG_L	0.5	U
8260C	BROMOFORM	75-25-2	UG_L	0.5	U
8260C	BROMOMETHANE	74-83-9	UG_L	1	U
8260C	CARBON DISULFIDE	75-15-0	UG_L	0.5	U
8260C	CARBON TETRACHLORIDE	56-23-5	UG_L	0.5	U
8260C	CHLOROBENZENE	108-90-7	UG_L	0.5	U
8260C	CHLOROETHANE	75-00-3	UG_L	1	U
8260C	CHLOROFORM	67-66-3	UG_L	0.5	U
8260C	CHLOROMETHANE	74-87-3	UG_L	1	U
8260C	CIS-1,2-DICHLOROETHENE	156-59-2	UG_L	0.5	U
8260C	CIS-1,3-DICHLOROPROPENE	10061-01-5	UG_L	0.5	U
8260C	CYCLOHEXANE	110-82-7	UG_L	0.5	U
8260C	DIBROMOCHLOROMETHANE	124-48-1	UG_L	0.5	U
8260C	DICHLORODIFLUOROMETHANE	75-71-8	UG_L	1	U
8260C	ETHYLBENZENE	100-41-4	UG_L	0.5	U
8260C	ISOPROPYLBENZENE	98-82-8	UG_L	0.5	U
8260C	M- AND P-XYLENE	108-38-3/106-42	UG_L	1	U
8260C	METHYL ACETATE	79-20-9	UG_L	0.75	U
8260C	METHYL CYCLOHEXANE	108-87-2	UG_L	0.5	U
8260C	METHYL TERT-BUTYL ETHER	1634-04-4	UG_L	0.5	U
8260C	METHYLENE CHLORIDE	75-09-2	UG_L	2.5	U
8260C	O-XYLENE	95-47-6	UG_L	0.5	U
8260C	STYRENE	100-42-5	UG_L	0.5	U
8260C	TETRACHLOROETHENE	127-18-4	UG_L	0.5	UJ c
8260C	TOLUENE	108-88-3	UG_L	0.5	U
8260C	TRANS-1,2-DICHLOROETHENE	156-60-5	UG_L	0.5	U
8260C	TRANS-1,3-DICHLOROPROPENE	10061-02-6	UG_L	0.5	U
8260C	TRICHLOROETHENE	79-01-6	UG_L	0.5	U
8260C	TRICHLOROFUOROMETHANE	75-69-4	UG_L	1	U
8260C	VINYL CHLORIDE	75-01-4	UG_L	1	U
8260C	XYLENES, TOTAL	1330-20-7	UG_L	1.5	U

*Notes:*

- UG\_L = Micrograms per liter
- Qual = Final qualifiers (See Attachment B)
- RC = Reason codes (See Attachment C)

Final Results after Data Review  
NWIRP Bethpage OU 2 Regional Groundwater Investigation

Sample Delivery Group				SJ0227	
Lab ID				SJ0227-3	
Sample ID				VPB163-GW-011116-618-620	
Sample Date				1/11/2016	
Sample Type				Groundwater	
Method	Analyte	CAS No	Units	Result	Qual
8260C	1,1,1-TRICHLOROETHANE	71-55-6	UG_L	0.5	UJ
8260C	1,1,2,2-TETRACHLOROETHANE	79-34-5	UG_L	0.5	UJ
8260C	1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	76-13-1	UG_L	0.5	UJ
8260C	1,1,2-TRICHLOROETHANE	79-00-5	UG_L	0.5	UJ
8260C	1,1-DICHLOROETHANE	75-34-3	UG_L	0.5	UJ
8260C	1,1-DICHLOROETHENE	75-35-4	UG_L	0.5	UJ
8260C	1,2,4-TRICHLOROBENZENE	120-82-1	UG_L	0.5	UJ
8260C	1,2-DIBROMO-3-CHLOROPROPANE	96-12-8	UG_L	0.75	UJ
8260C	1,2-DIBROMOETHANE	106-93-4	UG_L	0.5	UJ
8260C	1,2-DICHLOROBENZENE	95-50-1	UG_L	0.5	UJ
8260C	1,2-DICHLOROETHANE	107-06-2	UG_L	0.5	UJ
8260C	1,2-DICHLOROETHENE, TOTAL	540-59-0	UG_L	1	UJ
8260C	1,2-DICHLOROPROPANE	78-87-5	UG_L	0.5	UJ
8260C	1,3-DICHLOROBENZENE	541-73-1	UG_L	0.5	UJ
8260C	1,4-DICHLOROBENZENE	106-46-7	UG_L	0.5	UJ
8260C	2-BUTANONE	78-93-3	UG_L	2.5	UJ
8260C	2-HEXANONE	591-78-6	UG_L	2.5	UJ
8260C	4-METHYL-2-PENTANONE	108-10-1	UG_L	2.5	UJ
8260C	ACETONE	67-64-1	UG_L	2.5	UJ
8260C	BENZENE	71-43-2	UG_L	0.5	UJ
8260C	BROMODICHLOROMETHANE	75-27-4	UG_L	0.5	UJ
8260C	BROMOFORM	75-25-2	UG_L	0.5	UJ
8260C	BROMOMETHANE	74-83-9	UG_L	1	UJ
8260C	CARBON DISULFIDE	75-15-0	UG_L	0.5	UJ
8260C	CARBON TETRACHLORIDE	56-23-5	UG_L	0.5	UJ
8260C	CHLOROBENZENE	108-90-7	UG_L	0.5	UJ
8260C	CHLOROETHANE	75-00-3	UG_L	1	UJ
8260C	CHLOROFORM	67-66-3	UG_L	0.5	UJ
8260C	CHLOROMETHANE	74-87-3	UG_L	1	UJ
8260C	CIS-1,2-DICHLOROETHENE	156-59-2	UG_L	0.5	UJ
8260C	CIS-1,3-DICHLOROPROPENE	10061-01-5	UG_L	0.5	UJ
8260C	CYCLOHEXANE	110-82-7	UG_L	0.5	UJ
8260C	DIBROMOCHLOROMETHANE	124-48-1	UG_L	0.5	UJ
8260C	DICHLORODIFLUOROMETHANE	75-71-8	UG_L	1	UJ
8260C	ETHYLBENZENE	100-41-4	UG_L	0.5	UJ
8260C	ISOPROPYLBENZENE	98-82-8	UG_L	0.5	UJ
8260C	M- AND P-XYLENE	108-38-3/106-42	UG_L	1	UJ
8260C	METHYL ACETATE	79-20-9	UG_L	0.75	UJ
8260C	METHYL CYCLOHEXANE	108-87-2	UG_L	0.5	UJ
8260C	METHYL TERT-BUTYL ETHER	1634-04-4	UG_L	0.5	UJ
8260C	METHYLENE CHLORIDE	75-09-2	UG_L	2.5	UJ
8260C	O-XYLENE	95-47-6	UG_L	0.5	UJ
8260C	STYRENE	100-42-5	UG_L	0.5	UJ
8260C	TETRACHLOROETHENE	127-18-4	UG_L	0.5	UJ
8260C	TOLUENE	108-88-3	UG_L	0.5	UJ
8260C	TRANS-1,2-DICHLOROETHENE	156-60-5	UG_L	0.5	UJ
8260C	TRANS-1,3-DICHLOROPROPENE	10061-02-6	UG_L	0.5	UJ
8260C	TRICHLOROETHENE	79-01-6	UG_L	0.5	UJ
8260C	TRICHLOROFUOROMETHANE	75-69-4	UG_L	1	UJ
8260C	VINYL CHLORIDE	75-01-4	UG_L	1	UJ
8260C	XYLENES, TOTAL	1330-20-7	UG_L	1.5	UJ

*Notes:*

- UG\_L = Micrograms per liter
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- RC = Reason codes (See Attachment C)

Final Results after Data Review  
NWIRP Bethpage OU 2 Regional Groundwater Investigation

Sample Delivery Group				SJ0227		
Lab ID				SJ0227-4DL		
Sample ID				VPB163-GW-011116-638-640		
Sample Date				1/11/2016		
Sample Type				Groundwater		
Method	Analyte	CAS No	Units	Result	Qual	RC
8260C	1,1,1-TRICHLOROETHANE	71-55-6	UG_L	2.5	UJ	mc
8260C	1,1,2,2-TETRACHLOROETHANE	79-34-5	UG_L	2.5	UJ	mc
8260C	1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	76-13-1	UG_L	2.5	UJ	mc
8260C	1,1,2-TRICHLOROETHANE	79-00-5	UG_L	2.5	UJ	mc
8260C	1,1-DICHLOROETHANE	75-34-3	UG_L	2.5	UJ	mc
8260C	1,1-DICHLOROETHENE	75-35-4	UG_L	2.5	UJ	mc
8260C	1,2,4-TRICHLOROBENZENE	120-82-1	UG_L	2.5	UJ	mc
8260C	1,2-DIBROMO-3-CHLOROPROPANE	96-12-8	UG_L	3.8	UJ	mc
8260C	1,2-DIBROMOETHANE	106-93-4	UG_L	2.5	UJ	mc
8260C	1,2-DICHLOROBENZENE	95-50-1	UG_L	2.5	UJ	mc
8260C	1,2-DICHLOROETHANE	107-06-2	UG_L	2.5	UJ	mc
8260C	1,2-DICHLOROETHENE, TOTAL	540-59-0	UG_L	5	UJ	mc
8260C	1,2-DICHLOROPROPANE	78-87-5	UG_L	2.5	UJ	mc
8260C	1,3-DICHLOROBENZENE	541-73-1	UG_L	2.5	UJ	mc
8260C	1,4-DICHLOROBENZENE	106-46-7	UG_L	2.5	UJ	mc
8260C	2-BUTANONE	78-93-3	UG_L	12	UJ	mc
8260C	2-HEXANONE	591-78-6	UG_L	12	UJ	mc
8260C	4-METHYL-2-PENTANONE	108-10-1	UG_L	12	UJ	mc
8260C	ACETONE	67-64-1	UG_L	12	UJ	c,mc
8260C	BENZENE	71-43-2	UG_L	2.5	UJ	mc
8260C	BROMODICHLOROMETHANE	75-27-4	UG_L	2.5	UJ	mc
8260C	BROMOFORM	75-25-2	UG_L	2.5	UJ	mc
8260C	BROMOMETHANE	74-83-9	UG_L	5	UJ	mc
8260C	CARBON DISULFIDE	75-15-0	UG_L	2.5	UJ	mc
8260C	CARBON TETRACHLORIDE	56-23-5	UG_L	2.5	UJ	mc
8260C	CHLOROBENZENE	108-90-7	UG_L	2.5	UJ	mc
8260C	CHLOROETHANE	75-00-3	UG_L	5	UJ	mc
8260C	CHLOROFORM	67-66-3	UG_L	2.5	UJ	mc
8260C	CHLOROMETHANE	74-87-3	UG_L	5	UJ	mc
8260C	CIS-1,2-DICHLOROETHENE	156-59-2	UG_L	2.5	UJ	mc
8260C	CIS-1,3-DICHLOROPROPENE	10061-01-5	UG_L	2.5	UJ	mc
8260C	CYCLOHEXANE	110-82-7	UG_L	2.5	UJ	mc
8260C	DIBROMOCHLOROMETHANE	124-48-1	UG_L	2.5	UJ	mc
8260C	DICHLORODIFLUOROMETHANE	75-71-8	UG_L	5	UJ	mc
8260C	ETHYLBENZENE	100-41-4	UG_L	2.5	UJ	mc
8260C	ISOPROPYLBENZENE	98-82-8	UG_L	2.5	UJ	mc
8260C	M- AND P-XYLENE	108-38-3/106-42	UG_L	5	UJ	mc
8260C	METHYL ACETATE	79-20-9	UG_L	3.8	UJ	mc
8260C	METHYL CYCLOHEXANE	108-87-2	UG_L	2.5	UJ	mc
8260C	METHYL TERT-BUTYL ETHER	1634-04-4	UG_L	2.5	UJ	mc
8260C	METHYLENE CHLORIDE	75-09-2	UG_L	12	UJ	mc
8260C	O-XYLENE	95-47-6	UG_L	2.5	UJ	mc
8260C	STYRENE	100-42-5	UG_L	2.5	UJ	mc
8260C	TETRACHLOROETHENE	127-18-4	UG_L	2.5	UJ	c,mc
8260C	TOLUENE	108-88-3	UG_L	2.5	UJ	mc
8260C	TRANS-1,2-DICHLOROETHENE	156-60-5	UG_L	2.5	UJ	mc
8260C	TRANS-1,3-DICHLOROPROPENE	10061-02-6	UG_L	2.5	UJ	mc
8260C	TRICHLOROETHENE	79-01-6	UG_L	2.5	UJ	mc
8260C	TRICHLOROFUOROMETHANE	75-69-4	UG_L	5	UJ	mc
8260C	VINYL CHLORIDE	75-01-4	UG_L	5	UJ	mc
8260C	XYLENES, TOTAL	1330-20-7	UG_L	7.5	UJ	mc

*Notes:*

- UG\_L = Micrograms per liter  
 Qual = Final qualifiers (See Attachment B)  
 RC = Reason codes (See Attachment C)

Final Results after Data Review  
NWIRP Bethpage OU 2 Regional Groundwater Investigation

Sample Delivery Group				SJ0344		
Lab ID				SJ0344-2		
Sample ID				VPB163-GW-011216-658-660		
Sample Date				1/12/2016		
Sample Type				Groundwater		
Method	Analyte	CAS No	Units	Result	Qual	RC
8260C	1,1,1-TRICHLOROETHANE	71-55-6	UG_L	0.5	UJ	mc
8260C	1,1,2,2-TETRACHLOROETHANE	79-34-5	UG_L	0.5	UJ	mc
8260C	1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	76-13-1	UG_L	0.5	UJ	mc
8260C	1,1,2-TRICHLOROETHANE	79-00-5	UG_L	0.5	UJ	mc
8260C	1,1-DICHLOROETHANE	75-34-3	UG_L	0.5	UJ	mc
8260C	1,1-DICHLOROETHENE	75-35-4	UG_L	0.5	UJ	mc
8260C	1,2,4-TRICHLOROBENZENE	120-82-1	UG_L	0.5	UJ	mc
8260C	1,2-DIBROMO-3-CHLOROPROPANE	96-12-8	UG_L	0.75	UJ	mc,c
8260C	1,2-DIBROMOETHANE	106-93-4	UG_L	0.5	UJ	mc
8260C	1,2-DICHLOROBENZENE	95-50-1	UG_L	0.5	UJ	mc
8260C	1,2-DICHLOROETHANE	107-06-2	UG_L	0.5	UJ	mc
8260C	1,2-DICHLOROETHENE, TOTAL	540-59-0	UG_L	1	UJ	mc
8260C	1,2-DICHLOROPROPANE	78-87-5	UG_L	0.5	UJ	mc
8260C	1,3-DICHLOROBENZENE	541-73-1	UG_L	0.5	UJ	mc
8260C	1,4-DICHLOROBENZENE	106-46-7	UG_L	0.5	UJ	mc
8260C	2-BUTANONE	78-93-3	UG_L	2.5	UJ	mc,c
8260C	2-HEXANONE	591-78-6	UG_L	2.5	UJ	mc,c
8260C	4-METHYL-2-PENTANONE	108-10-1	UG_L	2.5	UJ	mc,c
8260C	ACETONE	67-64-1	UG_L	14	J	mc,c
8260C	BENZENE	71-43-2	UG_L	0.5	UJ	mc
8260C	BROMODICHLOROMETHANE	75-27-4	UG_L	0.5	UJ	mc
8260C	BROMOFORM	75-25-2	UG_L	0.5	UJ	mc
8260C	BROMOMETHANE	74-83-9	UG_L	1	UJ	mc
8260C	CARBON DISULFIDE	75-15-0	UG_L	0.5	UJ	bt,bl,mc
8260C	CARBON TETRACHLORIDE	56-23-5	UG_L	0.5	UJ	mc
8260C	CHLOROBENZENE	108-90-7	UG_L	0.5	UJ	mc
8260C	CHLOROETHANE	75-00-3	UG_L	1	UJ	mc
8260C	CHLOROFORM	67-66-3	UG_L	0.5	UJ	mc
8260C	CHLOROMETHANE	74-87-3	UG_L	1	UJ	mc
8260C	CIS-1,2-DICHLOROETHENE	156-59-2	UG_L	0.5	UJ	mc
8260C	CIS-1,3-DICHLOROPROPENE	10061-01-5	UG_L	0.5	UJ	mc
8260C	CYCLOHEXANE	110-82-7	UG_L	0.5	UJ	mc
8260C	DIBROMOCHLOROMETHANE	124-48-1	UG_L	0.5	UJ	mc
8260C	DICHLORODIFLUOROMETHANE	75-71-8	UG_L	1	UJ	mc,c
8260C	ETHYLBENZENE	100-41-4	UG_L	0.5	UJ	mc
8260C	ISOPROPYLBENZENE	98-82-8	UG_L	0.5	UJ	mc
8260C	M- AND P-XYLENE	108-38-3/106-42	UG_L	1	UJ	mc
8260C	METHYL ACETATE	79-20-9	UG_L	0.75	UJ	mc
8260C	METHYL CYCLOHEXANE	108-87-2	UG_L	0.5	UJ	mc
8260C	METHYL TERT-BUTYL ETHER	1634-04-4	UG_L	0.5	UJ	mc
8260C	METHYLENE CHLORIDE	75-09-2	UG_L	2.5	UJ	mc
8260C	O-XYLENE	95-47-6	UG_L	0.5	UJ	mc
8260C	STYRENE	100-42-5	UG_L	0.5	UJ	mc
8260C	TETRACHLOROETHENE	127-18-4	UG_L	0.5	UJ	mc
8260C	TOLUENE	108-88-3	UG_L	0.5	UJ	mc
8260C	TRANS-1,2-DICHLOROETHENE	156-60-5	UG_L	0.5	UJ	mc
8260C	TRANS-1,3-DICHLOROPROPENE	10061-02-6	UG_L	0.5	UJ	mc
8260C	TRICHLOROETHENE	79-01-6	UG_L	0.5	UJ	mc
8260C	TRICHLOROFUOROMETHANE	75-69-4	UG_L	1	UJ	mc
8260C	VINYL CHLORIDE	75-01-4	UG_L	1	UJ	mc
8260C	XYLENES, TOTAL	1330-20-7	UG_L	1.5	UJ	mc

*Notes:*

- UG\_L = Micrograms per liter  
 Qual = Final qualifiers (See Attachment B)  
 RC = Reason codes (See Attachment C)

Final Results after Data Review  
NWIRP Bethpage OU 2 Regional Groundwater Investigation

Sample Delivery Group				SJ0344		
Lab ID				SJ0344-3		
Sample ID				VPB163-GW-011216-678-680		
Sample Date				1/12/2016		
Sample Type				Groundwater		
Method	Analyte	CAS No	Units	Result	Qual	RC
8260C	1,1,1-TRICHLOROETHANE	71-55-6	UG_L	0.5	UJ	mc
8260C	1,1,2,2-TETRACHLOROETHANE	79-34-5	UG_L	0.5	UJ	mc
8260C	1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	76-13-1	UG_L	0.5	UJ	mc
8260C	1,1,2-TRICHLOROETHANE	79-00-5	UG_L	0.5	UJ	mc
8260C	1,1-DICHLOROETHANE	75-34-3	UG_L	0.5	UJ	mc
8260C	1,1-DICHLOROETHENE	75-35-4	UG_L	0.5	UJ	mc
8260C	1,2,4-TRICHLOROBENZENE	120-82-1	UG_L	0.5	UJ	mc
8260C	1,2-DIBROMO-3-CHLOROPROPANE	96-12-8	UG_L	0.75	UJ	mc,c
8260C	1,2-DIBROMOETHANE	106-93-4	UG_L	0.5	UJ	mc
8260C	1,2-DICHLOROBENZENE	95-50-1	UG_L	0.5	UJ	mc
8260C	1,2-DICHLOROETHANE	107-06-2	UG_L	0.5	UJ	mc
8260C	1,2-DICHLOROETHENE, TOTAL	540-59-0	UG_L	1	UJ	mc
8260C	1,2-DICHLOROPROPANE	78-87-5	UG_L	0.5	UJ	mc
8260C	1,3-DICHLOROBENZENE	541-73-1	UG_L	0.5	UJ	mc
8260C	1,4-DICHLOROBENZENE	106-46-7	UG_L	0.5	UJ	mc
8260C	2-BUTANONE	78-93-3	UG_L	2.5	UJ	mc,c
8260C	2-HEXANONE	591-78-6	UG_L	2.5	UJ	mc,c
8260C	4-METHYL-2-PENTANONE	108-10-1	UG_L	2.5	UJ	mc,c
8260C	ACETONE	67-64-1	UG_L	18	J	mc,c
8260C	BENZENE	71-43-2	UG_L	0.5	UJ	mc
8260C	BROMODICHLOROMETHANE	75-27-4	UG_L	0.5	UJ	mc
8260C	BROMOFORM	75-25-2	UG_L	0.5	UJ	mc
8260C	BROMOMETHANE	74-83-9	UG_L	1	UJ	mc
8260C	CARBON DISULFIDE	75-15-0	UG_L	0.5	UJ	bt,bl,mc
8260C	CARBON TETRACHLORIDE	56-23-5	UG_L	0.5	UJ	mc
8260C	CHLOROBENZENE	108-90-7	UG_L	0.5	UJ	mc
8260C	CHLOROETHANE	75-00-3	UG_L	1	UJ	mc
8260C	CHLOROFORM	67-66-3	UG_L	0.5	UJ	mc
8260C	CHLOROMETHANE	74-87-3	UG_L	1	UJ	mc
8260C	CIS-1,2-DICHLOROETHENE	156-59-2	UG_L	0.5	UJ	mc
8260C	CIS-1,3-DICHLOROPROPENE	10061-01-5	UG_L	0.5	UJ	mc
8260C	CYCLOHEXANE	110-82-7	UG_L	0.5	UJ	mc
8260C	DIBROMOCHLOROMETHANE	124-48-1	UG_L	0.5	UJ	mc
8260C	DICHLORODIFLUOROMETHANE	75-71-8	UG_L	1	UJ	mc,c
8260C	ETHYLBENZENE	100-41-4	UG_L	0.5	UJ	mc
8260C	ISOPROPYLBENZENE	98-82-8	UG_L	0.5	UJ	mc
8260C	M- AND P-XYLENE	108-38-3/106-42	UG_L	1	UJ	mc
8260C	METHYL ACETATE	79-20-9	UG_L	0.75	UJ	mc
8260C	METHYL CYCLOHEXANE	108-87-2	UG_L	0.5	UJ	mc
8260C	METHYL TERT-BUTYL ETHER	1634-04-4	UG_L	0.5	UJ	mc
8260C	METHYLENE CHLORIDE	75-09-2	UG_L	2.5	UJ	mc
8260C	O-XYLENE	95-47-6	UG_L	0.5	UJ	mc
8260C	STYRENE	100-42-5	UG_L	0.5	UJ	mc
8260C	TETRACHLOROETHENE	127-18-4	UG_L	0.5	UJ	mc
8260C	TOLUENE	108-88-3	UG_L	0.5	UJ	mc
8260C	TRANS-1,2-DICHLOROETHENE	156-60-5	UG_L	0.5	UJ	mc
8260C	TRANS-1,3-DICHLOROPROPENE	10061-02-6	UG_L	0.5	UJ	mc
8260C	TRICHLOROETHENE	79-01-6	UG_L	0.5	UJ	mc
8260C	TRICHLOROFUOROMETHANE	75-69-4	UG_L	1	UJ	mc
8260C	VINYL CHLORIDE	75-01-4	UG_L	1	UJ	mc
8260C	XYLENES, TOTAL	1330-20-7	UG_L	1.5	UJ	mc

*Notes:*

- UG\_L = Micrograms per liter  
 Qual = Final qualifiers (See Attachment B)  
 RC = Reason codes (See Attachment C)

Final Results after Data Review  
NWIRP Bethpage OU 2 Regional Groundwater Investigation

Sample Delivery Group				SJ0344		
Lab ID				SJ0344-4		
Sample ID				VPB163-GW-011316-698-700		
Sample Date				1/13/2016		
Sample Type				Groundwater		
Method	Analyte	CAS No	Units	Result	Qual	RC
8260C	1,1,1-TRICHLOROETHANE	71-55-6	UG_L	0.5	UJ	mc
8260C	1,1,2,2-TETRACHLOROETHANE	79-34-5	UG_L	0.5	UJ	mc
8260C	1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	76-13-1	UG_L	0.5	UJ	mc
8260C	1,1,2-TRICHLOROETHANE	79-00-5	UG_L	0.5	UJ	mc
8260C	1,1-DICHLOROETHANE	75-34-3	UG_L	0.5	UJ	mc
8260C	1,1-DICHLOROETHENE	75-35-4	UG_L	0.5	UJ	mc
8260C	1,2,4-TRICHLOROBENZENE	120-82-1	UG_L	0.5	UJ	mc
8260C	1,2-DIBROMO-3-CHLOROPROPANE	96-12-8	UG_L	0.75	UJ	mc,c
8260C	1,2-DIBROMOETHANE	106-93-4	UG_L	0.5	UJ	mc
8260C	1,2-DICHLOROBENZENE	95-50-1	UG_L	0.5	UJ	mc
8260C	1,2-DICHLOROETHANE	107-06-2	UG_L	0.5	UJ	mc
8260C	1,2-DICHLOROETHENE, TOTAL	540-59-0	UG_L	1	UJ	mc
8260C	1,2-DICHLOROPROPANE	78-87-5	UG_L	0.5	UJ	mc
8260C	1,3-DICHLOROBENZENE	541-73-1	UG_L	0.5	UJ	mc
8260C	1,4-DICHLOROBENZENE	106-46-7	UG_L	0.5	UJ	mc
8260C	2-BUTANONE	78-93-3	UG_L	2.5	UJ	mc,c
8260C	2-HEXANONE	591-78-6	UG_L	2.5	UJ	mc,c
8260C	4-METHYL-2-PENTANONE	108-10-1	UG_L	2.5	UJ	mc,c
8260C	ACETONE	67-64-1	UG_L	16	J	mc,c
8260C	BENZENE	71-43-2	UG_L	0.5	UJ	mc
8260C	BROMODICHLOROMETHANE	75-27-4	UG_L	0.5	UJ	mc
8260C	BROMOFORM	75-25-2	UG_L	0.5	UJ	mc
8260C	BROMOMETHANE	74-83-9	UG_L	1	UJ	mc
8260C	CARBON DISULFIDE	75-15-0	UG_L	0.5	UJ	bt,bl,mc
8260C	CARBON TETRACHLORIDE	56-23-5	UG_L	0.5	UJ	mc
8260C	CHLOROBENZENE	108-90-7	UG_L	0.5	UJ	mc
8260C	CHLOROETHANE	75-00-3	UG_L	1	UJ	mc
8260C	CHLOROFORM	67-66-3	UG_L	0.5	UJ	mc
8260C	CHLOROMETHANE	74-87-3	UG_L	1	UJ	mc
8260C	CIS-1,2-DICHLOROETHENE	156-59-2	UG_L	0.5	UJ	mc
8260C	CIS-1,3-DICHLOROPROPENE	10061-01-5	UG_L	0.5	UJ	mc
8260C	CYCLOHEXANE	110-82-7	UG_L	0.5	UJ	mc
8260C	DIBROMOCHLOROMETHANE	124-48-1	UG_L	0.5	UJ	mc
8260C	DICHLORODIFLUOROMETHANE	75-71-8	UG_L	1	UJ	mc,c
8260C	ETHYLBENZENE	100-41-4	UG_L	0.5	UJ	mc
8260C	ISOPROPYLBENZENE	98-82-8	UG_L	0.5	UJ	mc
8260C	M- AND P-XYLENE	108-38-3/106-42	UG_L	1	UJ	mc
8260C	METHYL ACETATE	79-20-9	UG_L	0.75	UJ	mc
8260C	METHYL CYCLOHEXANE	108-87-2	UG_L	0.5	UJ	mc
8260C	METHYL TERT-BUTYL ETHER	1634-04-4	UG_L	0.5	UJ	mc
8260C	METHYLENE CHLORIDE	75-09-2	UG_L	2.5	UJ	mc
8260C	O-XYLENE	95-47-6	UG_L	0.5	UJ	mc
8260C	STYRENE	100-42-5	UG_L	0.5	UJ	mc
8260C	TETRACHLOROETHENE	127-18-4	UG_L	0.5	UJ	mc
8260C	TOLUENE	108-88-3	UG_L	0.5	UJ	mc
8260C	TRANS-1,2-DICHLOROETHENE	156-60-5	UG_L	0.5	UJ	mc
8260C	TRANS-1,3-DICHLOROPROPENE	10061-02-6	UG_L	0.5	UJ	mc
8260C	TRICHLOROETHENE	79-01-6	UG_L	0.5	UJ	mc
8260C	TRICHLOROFUOROMETHANE	75-69-4	UG_L	1	UJ	mc
8260C	VINYL CHLORIDE	75-01-4	UG_L	1	UJ	mc
8260C	XYLENES, TOTAL	1330-20-7	UG_L	1.5	UJ	mc

*Notes:*

- UG\_L = Micrograms per liter  
 Qual = Final qualifiers (See Attachment B)  
 RC = Reason codes (See Attachment C)

Final Results after Data Review  
NWIRP Bethpage OU 2 Regional Groundwater Investigation

Sample Delivery Group				SJ0344	
Lab ID				SJ0344-5	
Sample ID				VPB163-GW-011316-718-720	
Sample Date				1/13/2016	
Sample Type				Groundwater	
Method	Analyte	CAS No	Units	Result	Qual
8260C	1,1,1-TRICHLOROETHANE	71-55-6	UG_L	0.5	U
8260C	1,1,2,2-TETRACHLOROETHANE	79-34-5	UG_L	0.5	U
8260C	1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	76-13-1	UG_L	0.5	U
8260C	1,1,2-TRICHLOROETHANE	79-00-5	UG_L	0.5	U
8260C	1,1-DICHLOROETHANE	75-34-3	UG_L	0.5	U
8260C	1,1-DICHLOROETHENE	75-35-4	UG_L	0.5	U
8260C	1,2,4-TRICHLOROBENZENE	120-82-1	UG_L	0.5	U
8260C	1,2-DIBROMO-3-CHLOROPROPANE	96-12-8	UG_L	0.75	UJ
8260C	1,2-DIBROMOETHANE	106-93-4	UG_L	0.5	U
8260C	1,2-DICHLOROBENZENE	95-50-1	UG_L	0.5	U
8260C	1,2-DICHLOROETHANE	107-06-2	UG_L	0.5	U
8260C	1,2-DICHLOROETHENE, TOTAL	540-59-0	UG_L	1	U
8260C	1,2-DICHLOROPROPANE	78-87-5	UG_L	0.5	U
8260C	1,3-DICHLOROBENZENE	541-73-1	UG_L	0.5	U
8260C	1,4-DICHLOROBENZENE	106-46-7	UG_L	0.5	U
8260C	2-BUTANONE	78-93-3	UG_L	2.5	UJ
8260C	2-HEXANONE	591-78-6	UG_L	2.5	UJ
8260C	4-METHYL-2-PENTANONE	108-10-1	UG_L	2.5	UJ
8260C	ACETONE	67-64-1	UG_L	2.5	UJ
8260C	BENZENE	71-43-2	UG_L	0.5	U
8260C	BROMODICHLOROMETHANE	75-27-4	UG_L	0.5	U
8260C	BROMOFORM	75-25-2	UG_L	0.5	U
8260C	BROMOMETHANE	74-83-9	UG_L	1	U
8260C	CARBON DISULFIDE	75-15-0	UG_L	0.5	UJ
8260C	CARBON TETRACHLORIDE	56-23-5	UG_L	0.5	U
8260C	CHLOROBENZENE	108-90-7	UG_L	0.5	U
8260C	CHLOROETHANE	75-00-3	UG_L	1	U
8260C	CHLOROFORM	67-66-3	UG_L	0.5	U
8260C	CHLOROMETHANE	74-87-3	UG_L	1	U
8260C	CIS-1,2-DICHLOROETHENE	156-59-2	UG_L	0.5	U
8260C	CIS-1,3-DICHLOROPROPENE	10061-01-5	UG_L	0.5	U
8260C	CYCLOHEXANE	110-82-7	UG_L	0.5	U
8260C	DIBROMOCHLOROMETHANE	124-48-1	UG_L	0.5	U
8260C	DICHLORODIFLUOROMETHANE	75-71-8	UG_L	1	UJ
8260C	ETHYLBENZENE	100-41-4	UG_L	0.5	U
8260C	ISOPROPYLBENZENE	98-82-8	UG_L	0.5	U
8260C	M- AND P-XYLENE	108-38-3/106-42	UG_L	1	U
8260C	METHYL ACETATE	79-20-9	UG_L	0.75	U
8260C	METHYL CYCLOHEXANE	108-87-2	UG_L	0.5	U
8260C	METHYL TERT-BUTYL ETHER	1634-04-4	UG_L	0.5	U
8260C	METHYLENE CHLORIDE	75-09-2	UG_L	2.5	U
8260C	O-XYLENE	95-47-6	UG_L	0.5	U
8260C	STYRENE	100-42-5	UG_L	0.5	U
8260C	TETRACHLOROETHENE	127-18-4	UG_L	0.5	U
8260C	TOLUENE	108-88-3	UG_L	0.5	U
8260C	TRANS-1,2-DICHLOROETHENE	156-60-5	UG_L	0.5	U
8260C	TRANS-1,3-DICHLOROPROPENE	10061-02-6	UG_L	0.5	U
8260C	TRICHLOROETHENE	79-01-6	UG_L	0.5	U
8260C	TRICHLOROFUOROMETHANE	75-69-4	UG_L	1	U
8260C	VINYL CHLORIDE	75-01-4	UG_L	1	U
8260C	XYLENES, TOTAL	1330-20-7	UG_L	1.5	U

*Notes:*

- UG\_L = Micrograms per liter  
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 RC = Reason codes (See Attachment C)

Final Results after Data Review  
NWIRP Bethpage OU 2 Regional Groundwater Investigation

Sample Delivery Group				SJ0344		
Lab ID				SJ0344-6DL		
Sample ID				VPB163-GW-011416-738-740		
Sample Date				1/14/2016		
Sample Type				Groundwater		
Method	Analyte	CAS No	Units	Result	Qual	RC
8260C	1,1,1-TRICHLOROETHANE	71-55-6	UG_L	2	UJ	mc
8260C	1,1,2,2-TETRACHLOROETHANE	79-34-5	UG_L	2	UJ	mc
8260C	1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	76-13-1	UG_L	2	UJ	mc
8260C	1,1,2-TRICHLOROETHANE	79-00-5	UG_L	2	UJ	mc
8260C	1,1-DICHLOROETHANE	75-34-3	UG_L	2	UJ	mc
8260C	1,1-DICHLOROETHENE	75-35-4	UG_L	2	UJ	mc
8260C	1,2,4-TRICHLOROBENZENE	120-82-1	UG_L	2	UJ	mc
8260C	1,2-DIBROMO-3-CHLOROPROPANE	96-12-8	UG_L	3	UJ	mc,c
8260C	1,2-DIBROMOETHANE	106-93-4	UG_L	2	UJ	mc
8260C	1,2-DICHLOROBENZENE	95-50-1	UG_L	2	UJ	mc
8260C	1,2-DICHLOROETHANE	107-06-2	UG_L	2	UJ	mc
8260C	1,2-DICHLOROETHENE, TOTAL	540-59-0	UG_L	4	UJ	mc
8260C	1,2-DICHLOROPROPANE	78-87-5	UG_L	2	UJ	mc
8260C	1,3-DICHLOROBENZENE	541-73-1	UG_L	2	UJ	mc
8260C	1,4-DICHLOROBENZENE	106-46-7	UG_L	2	UJ	mc
8260C	2-BUTANONE	78-93-3	UG_L	10	UJ	mc,c
8260C	2-HEXANONE	591-78-6	UG_L	10	UJ	mc,c
8260C	4-METHYL-2-PENTANONE	108-10-1	UG_L	10	UJ	mc,c
8260C	ACETONE	67-64-1	UG_L	10	UJ	bt,mc,c
8260C	BENZENE	71-43-2	UG_L	2	UJ	mc
8260C	BROMODICHLOROMETHANE	75-27-4	UG_L	2	UJ	mc
8260C	BROMOFORM	75-25-2	UG_L	2	UJ	mc
8260C	BROMOMETHANE	74-83-9	UG_L	4	UJ	mc
8260C	CARBON DISULFIDE	75-15-0	UG_L	2	UJ	bt,bl,mc
8260C	CARBON TETRACHLORIDE	56-23-5	UG_L	2	UJ	mc
8260C	CHLOROBENZENE	108-90-7	UG_L	2	UJ	mc
8260C	CHLOROETHANE	75-00-3	UG_L	4	UJ	mc
8260C	CHLOROFORM	67-66-3	UG_L	2	UJ	mc
8260C	CHLOROMETHANE	74-87-3	UG_L	4	UJ	mc
8260C	CIS-1,2-DICHLOROETHENE	156-59-2	UG_L	2	UJ	mc
8260C	CIS-1,3-DICHLOROPROPENE	10061-01-5	UG_L	2	UJ	mc
8260C	CYCLOHEXANE	110-82-7	UG_L	2	UJ	mc
8260C	DIBROMOCHLOROMETHANE	124-48-1	UG_L	2	UJ	mc
8260C	DICHLORODIFLUOROMETHANE	75-71-8	UG_L	4	UJ	mc,c
8260C	ETHYLBENZENE	100-41-4	UG_L	2	UJ	mc
8260C	ISOPROPYLBENZENE	98-82-8	UG_L	2	UJ	mc
8260C	M- AND P-XYLENE	108-38-3/106-42	UG_L	4	UJ	mc
8260C	METHYL ACETATE	79-20-9	UG_L	3	UJ	mc
8260C	METHYL CYCLOHEXANE	108-87-2	UG_L	2	UJ	mc
8260C	METHYL TERT-BUTYL ETHER	1634-04-4	UG_L	2	UJ	mc
8260C	METHYLENE CHLORIDE	75-09-2	UG_L	10	UJ	mc
8260C	O-XYLENE	95-47-6	UG_L	2	UJ	mc
8260C	STYRENE	100-42-5	UG_L	2	UJ	mc
8260C	TETRACHLOROETHENE	127-18-4	UG_L	2	UJ	mc
8260C	TOLUENE	108-88-3	UG_L	2	UJ	mc
8260C	TRANS-1,2-DICHLOROETHENE	156-60-5	UG_L	2	UJ	mc
8260C	TRANS-1,3-DICHLOROPROPENE	10061-02-6	UG_L	2	UJ	mc
8260C	TRICHLOROETHENE	79-01-6	UG_L	2	UJ	mc
8260C	TRICHLOROFUOROMETHANE	75-69-4	UG_L	4	UJ	mc
8260C	VINYL CHLORIDE	75-01-4	UG_L	4	UJ	mc
8260C	XYLENES, TOTAL	1330-20-7	UG_L	6	UJ	mc

*Notes:*

- UG\_L = Micrograms per liter  
 Qual = Final qualifiers (See Attachment B)  
 RC = Reason codes (See Attachment C)

Final Results after Data Review  
NWIRP Bethpage OU 2 Regional Groundwater Investigation

Sample Delivery Group				SJ0411		
Lab ID				SJ0411-2DL		
Sample ID				VPB163-GW-011516-763-765		
Sample Date				1/15/2016		
Sample Type				Groundwater		
Method	Analyte	CAS No	Units	Result	Qual	RC
8260C	1,1,1-TRICHLOROETHANE	71-55-6	UG_L	1.5	UJ	mc
8260C	1,1,2,2-TETRACHLOROETHANE	79-34-5	UG_L	1.5	UJ	mc
8260C	1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	76-13-1	UG_L	1.5	UJ	mc
8260C	1,1,2-TRICHLOROETHANE	79-00-5	UG_L	1.5	UJ	mc
8260C	1,1-DICHLOROETHANE	75-34-3	UG_L	1.5	UJ	mc
8260C	1,1-DICHLOROETHENE	75-35-4	UG_L	1.5	UJ	mc
8260C	1,2,4-TRICHLOROBENZENE	120-82-1	UG_L	1.5	UJ	mc
8260C	1,2-DIBROMO-3-CHLOROPROPANE	96-12-8	UG_L	2.2	UJ	mc
8260C	1,2-DIBROMOETHANE	106-93-4	UG_L	1.5	UJ	mc
8260C	1,2-DICHLOROBENZENE	95-50-1	UG_L	1.5	UJ	mc
8260C	1,2-DICHLOROETHANE	107-06-2	UG_L	1.5	UJ	mc
8260C	1,2-DICHLOROETHENE, TOTAL	540-59-0	UG_L	3	UJ	mc
8260C	1,2-DICHLOROPROPANE	78-87-5	UG_L	1.5	UJ	mc
8260C	1,3-DICHLOROBENZENE	541-73-1	UG_L	1.5	UJ	mc
8260C	1,4-DICHLOROBENZENE	106-46-7	UG_L	1.5	UJ	mc
8260C	2-BUTANONE	78-93-3	UG_L	7.5	UJ	mc
8260C	2-HEXANONE	591-78-6	UG_L	7.5	UJ	mc
8260C	4-METHYL-2-PENTANONE	108-10-1	UG_L	7.5	UJ	mc
8260C	ACETONE	67-64-1	UG_L	15	J	mc,c
8260C	BENZENE	71-43-2	UG_L	1.5	UJ	mc
8260C	BROMODICHLOROMETHANE	75-27-4	UG_L	1.5	UJ	mc
8260C	BROMOFORM	75-25-2	UG_L	1.5	UJ	mc
8260C	BROMOMETHANE	74-83-9	UG_L	3	UJ	mc,c
8260C	CARBON DISULFIDE	75-15-0	UG_L	1.5	UJ	mc
8260C	CARBON TETRACHLORIDE	56-23-5	UG_L	1.5	UJ	mc
8260C	CHLOROBENZENE	108-90-7	UG_L	1.5	UJ	mc
8260C	CHLOROETHANE	75-00-3	UG_L	3	UJ	mc
8260C	CHLOROFORM	67-66-3	UG_L	1.5	UJ	mc
8260C	CHLOROMETHANE	74-87-3	UG_L	3	UJ	mc
8260C	CIS-1,2-DICHLOROETHENE	156-59-2	UG_L	1.5	UJ	mc
8260C	CIS-1,3-DICHLOROPROPENE	10061-01-5	UG_L	1.5	UJ	mc
8260C	CYCLOHEXANE	110-82-7	UG_L	1.5	UJ	mc
8260C	DIBROMOCHLOROMETHANE	124-48-1	UG_L	1.5	UJ	mc
8260C	DICHLORODIFLUOROMETHANE	75-71-8	UG_L	3	UJ	mc,c
8260C	ETHYLBENZENE	100-41-4	UG_L	1.5	UJ	mc
8260C	ISOPROPYLBENZENE	98-82-8	UG_L	1.5	UJ	mc
8260C	M- AND P-XYLENE	108-38-3/106-42	UG_L	3	UJ	mc
8260C	METHYL ACETATE	79-20-9	UG_L	2.2	UJ	mc
8260C	METHYL CYCLOHEXANE	108-87-2	UG_L	1.5	UJ	mc
8260C	METHYL TERT-BUTYL ETHER	1634-04-4	UG_L	1.5	UJ	mc
8260C	METHYLENE CHLORIDE	75-09-2	UG_L	7.5	UJ	mc
8260C	O-XYLENE	95-47-6	UG_L	1.5	UJ	mc
8260C	STYRENE	100-42-5	UG_L	1.5	UJ	mc
8260C	TETRACHLOROETHENE	127-18-4	UG_L	1.5	UJ	mc,c
8260C	TOLUENE	108-88-3	UG_L	1.5	UJ	mc
8260C	TRANS-1,2-DICHLOROETHENE	156-60-5	UG_L	1.5	UJ	mc
8260C	TRANS-1,3-DICHLOROPROPENE	10061-02-6	UG_L	1.5	UJ	mc
8260C	TRICHLOROETHENE	79-01-6	UG_L	1.5	UJ	mc
8260C	TRICHLOROFUOROMETHANE	75-69-4	UG_L	3	UJ	mc
8260C	VINYL CHLORIDE	75-01-4	UG_L	3	UJ	mc
8260C	XYLENES, TOTAL	1330-20-7	UG_L	4.5	UJ	mc

*Notes:*

- UG\_L = Micrograms per liter  
 Qual = Final qualifiers (See Attachment B)  
 RC = Reason codes (See Attachment C)

Final Results after Data Review  
NWIRP Bethpage OU 2 Regional Groundwater Investigation

Sample Delivery Group				SJ0411		
Lab ID				SJ0411-3DL		
Sample ID				VPB163-GW-011516-778-780		
Sample Date				1/15/2016		
Sample Type				Groundwater		
Method	Analyte	CAS No	Units	Result	Qual	RC
8260C	1,1,1-TRICHLOROETHANE	71-55-6	UG_L	1	UJ	mc
8260C	1,1,2,2-TETRACHLOROETHANE	79-34-5	UG_L	1	UJ	mc
8260C	1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	76-13-1	UG_L	1	UJ	mc
8260C	1,1,2-TRICHLOROETHANE	79-00-5	UG_L	1	UJ	mc
8260C	1,1-DICHLOROETHANE	75-34-3	UG_L	1	UJ	mc
8260C	1,1-DICHLOROETHENE	75-35-4	UG_L	1	UJ	mc
8260C	1,2,4-TRICHLOROBENZENE	120-82-1	UG_L	1	UJ	mc
8260C	1,2-DIBROMO-3-CHLOROPROPANE	96-12-8	UG_L	1.5	UJ	mc
8260C	1,2-DIBROMOETHANE	106-93-4	UG_L	1	UJ	mc
8260C	1,2-DICHLOROBENZENE	95-50-1	UG_L	1	UJ	mc
8260C	1,2-DICHLOROETHANE	107-06-2	UG_L	1	UJ	mc
8260C	1,2-DICHLOROETHENE, TOTAL	540-59-0	UG_L	2	UJ	mc
8260C	1,2-DICHLOROPROPANE	78-87-5	UG_L	1	UJ	mc
8260C	1,3-DICHLOROBENZENE	541-73-1	UG_L	1	UJ	mc
8260C	1,4-DICHLOROBENZENE	106-46-7	UG_L	1	UJ	mc
8260C	2-BUTANONE	78-93-3	UG_L	5	UJ	mc
8260C	2-HEXANONE	591-78-6	UG_L	5	UJ	mc
8260C	4-METHYL-2-PENTANONE	108-10-1	UG_L	5	UJ	mc
8260C	ACETONE	67-64-1	UG_L	12	J	mc,c
8260C	BENZENE	71-43-2	UG_L	1	UJ	mc
8260C	BROMODICHLOROMETHANE	75-27-4	UG_L	1	UJ	mc
8260C	BROMOFORM	75-25-2	UG_L	1	UJ	mc
8260C	BROMOMETHANE	74-83-9	UG_L	2	UJ	mc,c
8260C	CARBON DISULFIDE	75-15-0	UG_L	1	UJ	mc
8260C	CARBON TETRACHLORIDE	56-23-5	UG_L	1	UJ	mc
8260C	CHLOROBENZENE	108-90-7	UG_L	1	UJ	mc
8260C	CHLOROETHANE	75-00-3	UG_L	2	UJ	mc
8260C	CHLOROFORM	67-66-3	UG_L	1	UJ	mc
8260C	CHLOROMETHANE	74-87-3	UG_L	2	UJ	mc
8260C	CIS-1,2-DICHLOROETHENE	156-59-2	UG_L	1	UJ	mc
8260C	CIS-1,3-DICHLOROPROPENE	10061-01-5	UG_L	1	UJ	mc
8260C	CYCLOHEXANE	110-82-7	UG_L	1	UJ	mc
8260C	DIBROMOCHLOROMETHANE	124-48-1	UG_L	1	UJ	mc
8260C	DICHLORODIFLUOROMETHANE	75-71-8	UG_L	2	UJ	mc,c
8260C	ETHYLBENZENE	100-41-4	UG_L	1	UJ	mc
8260C	ISOPROPYLBENZENE	98-82-8	UG_L	1	UJ	mc
8260C	M- AND P-XYLENE	108-38-3/106-42	UG_L	2	UJ	mc
8260C	METHYL ACETATE	79-20-9	UG_L	1.5	UJ	mc
8260C	METHYL CYCLOHEXANE	108-87-2	UG_L	1	UJ	mc
8260C	METHYL TERT-BUTYL ETHER	1634-04-4	UG_L	1	UJ	mc
8260C	METHYLENE CHLORIDE	75-09-2	UG_L	5	UJ	mc
8260C	O-XYLENE	95-47-6	UG_L	1	UJ	mc
8260C	STYRENE	100-42-5	UG_L	1	UJ	mc
8260C	TETRACHLOROETHENE	127-18-4	UG_L	1	UJ	mc,c
8260C	TOLUENE	108-88-3	UG_L	1	UJ	mc
8260C	TRANS-1,2-DICHLOROETHENE	156-60-5	UG_L	1	UJ	mc
8260C	TRANS-1,3-DICHLOROPROPENE	10061-02-6	UG_L	1	UJ	mc
8260C	TRICHLOROETHENE	79-01-6	UG_L	1	UJ	mc
8260C	TRICHLOROFUOROMETHANE	75-69-4	UG_L	2	UJ	mc
8260C	VINYL CHLORIDE	75-01-4	UG_L	2	UJ	mc
8260C	XYLENES, TOTAL	1330-20-7	UG_L	3	UJ	mc

*Notes:*

- UG\_L = Micrograms per liter
- Qual = Final qualifiers (See Attachment B)
- RC = Reason codes (See Attachment C)

Final Results after Data Review  
NWIRP Bethpage OU 2 Regional Groundwater Investigation

Sample Delivery Group				SJ0411		
Lab ID				SJ0411-4		
Sample ID				VPB163-GW-011516-798-800		
Sample Date				1/15/2016		
Sample Type				Groundwater		
Method	Analyte	CAS No	Units	Result	Qual	RC
8260C	1,1,1-TRICHLOROETHANE	71-55-6	UG_L	0.5	UJ	mc
8260C	1,1,2,2-TETRACHLOROETHANE	79-34-5	UG_L	0.5	UJ	mc
8260C	1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	76-13-1	UG_L	0.5	UJ	mc
8260C	1,1,2-TRICHLOROETHANE	79-00-5	UG_L	0.5	UJ	mc
8260C	1,1-DICHLOROETHANE	75-34-3	UG_L	0.5	UJ	mc
8260C	1,1-DICHLOROETHENE	75-35-4	UG_L	0.5	UJ	mc
8260C	1,2,4-TRICHLOROBENZENE	120-82-1	UG_L	0.5	UJ	mc
8260C	1,2-DIBROMO-3-CHLOROPROPANE	96-12-8	UG_L	0.75	UJ	mc
8260C	1,2-DIBROMOETHANE	106-93-4	UG_L	0.5	UJ	mc
8260C	1,2-DICHLOROBENZENE	95-50-1	UG_L	0.5	UJ	mc
8260C	1,2-DICHLOROETHANE	107-06-2	UG_L	0.5	UJ	mc
8260C	1,2-DICHLOROETHENE, TOTAL	540-59-0	UG_L	1	UJ	mc
8260C	1,2-DICHLOROPROPANE	78-87-5	UG_L	0.5	UJ	mc
8260C	1,3-DICHLOROBENZENE	541-73-1	UG_L	0.5	UJ	mc
8260C	1,4-DICHLOROBENZENE	106-46-7	UG_L	0.5	UJ	mc
8260C	2-BUTANONE	78-93-3	UG_L	2.5	UJ	mc
8260C	2-HEXANONE	591-78-6	UG_L	2.5	UJ	mc
8260C	4-METHYL-2-PENTANONE	108-10-1	UG_L	2.5	UJ	mc
8260C	ACETONE	67-64-1	UG_L	8.6	J	mc,c
8260C	BENZENE	71-43-2	UG_L	0.5	UJ	mc
8260C	BROMODICHLOROMETHANE	75-27-4	UG_L	0.5	UJ	mc
8260C	BROMOFORM	75-25-2	UG_L	0.5	UJ	mc
8260C	BROMOMETHANE	74-83-9	UG_L	1	UJ	mc,c
8260C	CARBON DISULFIDE	75-15-0	UG_L	0.5	UJ	mc
8260C	CARBON TETRACHLORIDE	56-23-5	UG_L	0.5	UJ	mc
8260C	CHLOROBENZENE	108-90-7	UG_L	0.5	UJ	mc
8260C	CHLOROETHANE	75-00-3	UG_L	1	UJ	mc
8260C	CHLOROFORM	67-66-3	UG_L	0.5	UJ	mc
8260C	CHLOROMETHANE	74-87-3	UG_L	1	UJ	mc
8260C	CIS-1,2-DICHLOROETHENE	156-59-2	UG_L	0.5	UJ	mc
8260C	CIS-1,3-DICHLOROPROPENE	10061-01-5	UG_L	0.5	UJ	mc
8260C	CYCLOHEXANE	110-82-7	UG_L	0.5	UJ	mc
8260C	DIBROMOCHLOROMETHANE	124-48-1	UG_L	0.5	UJ	mc
8260C	DICHLORODIFLUOROMETHANE	75-71-8	UG_L	1	UJ	mc,c
8260C	ETHYLBENZENE	100-41-4	UG_L	0.5	UJ	mc
8260C	ISOPROPYLBENZENE	98-82-8	UG_L	0.5	UJ	mc
8260C	M- AND P-XYLENE	108-38-3/106-42	UG_L	1	UJ	mc
8260C	METHYL ACETATE	79-20-9	UG_L	0.75	UJ	mc
8260C	METHYL CYCLOHEXANE	108-87-2	UG_L	0.5	UJ	mc
8260C	METHYL TERT-BUTYL ETHER	1634-04-4	UG_L	0.5	UJ	mc
8260C	METHYLENE CHLORIDE	75-09-2	UG_L	2.5	UJ	mc
8260C	O-XYLENE	95-47-6	UG_L	0.5	UJ	mc
8260C	STYRENE	100-42-5	UG_L	0.5	UJ	mc
8260C	TETRACHLOROETHENE	127-18-4	UG_L	0.5	UJ	mc,c
8260C	TOLUENE	108-88-3	UG_L	0.5	UJ	mc
8260C	TRANS-1,2-DICHLOROETHENE	156-60-5	UG_L	0.5	UJ	mc
8260C	TRANS-1,3-DICHLOROPROPENE	10061-02-6	UG_L	0.5	UJ	mc
8260C	TRICHLOROETHENE	79-01-6	UG_L	0.5	UJ	mc
8260C	TRICHLOROFUOROMETHANE	75-69-4	UG_L	1	UJ	mc
8260C	VINYL CHLORIDE	75-01-4	UG_L	1	UJ	mc
8260C	XYLENES, TOTAL	1330-20-7	UG_L	1.5	UJ	mc

*Notes:*

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Final Results after Data Review  
NWIRP Bethpage OU 2 Regional Groundwater Investigation

Sample Delivery Group				SJ0411		
Lab ID				SJ0411-5DL		
Sample ID				VPB163-GW-011816-818-820		
Sample Date				1/18/2016		
Sample Type				Groundwater		
Method	Analyte	CAS No	Units	Result	Qual	RC
8260C	1,1,1-TRICHLOROETHANE	71-55-6	UG_L	1	UJ	mc
8260C	1,1,2,2-TETRACHLOROETHANE	79-34-5	UG_L	1	UJ	mc
8260C	1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	76-13-1	UG_L	1	UJ	mc
8260C	1,1,2-TRICHLOROETHANE	79-00-5	UG_L	1	UJ	mc
8260C	1,1-DICHLOROETHANE	75-34-3	UG_L	1	UJ	mc
8260C	1,1-DICHLOROETHENE	75-35-4	UG_L	1	UJ	mc
8260C	1,2,4-TRICHLOROBENZENE	120-82-1	UG_L	1	UJ	mc
8260C	1,2-DIBROMO-3-CHLOROPROPANE	96-12-8	UG_L	1.5	UJ	mc
8260C	1,2-DIBROMOETHANE	106-93-4	UG_L	1	UJ	mc
8260C	1,2-DICHLOROBENZENE	95-50-1	UG_L	1	UJ	mc
8260C	1,2-DICHLOROETHANE	107-06-2	UG_L	1	UJ	mc
8260C	1,2-DICHLOROETHENE, TOTAL	540-59-0	UG_L	2	UJ	mc
8260C	1,2-DICHLOROPROPANE	78-87-5	UG_L	1	UJ	mc
8260C	1,3-DICHLOROBENZENE	541-73-1	UG_L	1	UJ	mc
8260C	1,4-DICHLOROBENZENE	106-46-7	UG_L	1	UJ	mc
8260C	2-BUTANONE	78-93-3	UG_L	5	UJ	mc
8260C	2-HEXANONE	591-78-6	UG_L	5	UJ	mc
8260C	4-METHYL-2-PENTANONE	108-10-1	UG_L	5	UJ	mc
8260C	ACETONE	67-64-1	UG_L	9	J	mc,c
8260C	BENZENE	71-43-2	UG_L	1	UJ	mc
8260C	BROMODICHLOROMETHANE	75-27-4	UG_L	1	UJ	mc
8260C	BROMOFORM	75-25-2	UG_L	1	UJ	mc
8260C	BROMOMETHANE	74-83-9	UG_L	2	UJ	mc,c
8260C	CARBON DISULFIDE	75-15-0	UG_L	1	UJ	mc
8260C	CARBON TETRACHLORIDE	56-23-5	UG_L	1	UJ	mc
8260C	CHLOROBENZENE	108-90-7	UG_L	1	UJ	mc
8260C	CHLOROETHANE	75-00-3	UG_L	2	UJ	mc
8260C	CHLOROFORM	67-66-3	UG_L	1	UJ	mc
8260C	CHLOROMETHANE	74-87-3	UG_L	2	UJ	mc
8260C	CIS-1,2-DICHLOROETHENE	156-59-2	UG_L	1	UJ	mc
8260C	CIS-1,3-DICHLOROPROPENE	10061-01-5	UG_L	1	UJ	mc
8260C	CYCLOHEXANE	110-82-7	UG_L	1	UJ	mc
8260C	DIBROMOCHLOROMETHANE	124-48-1	UG_L	1	UJ	mc
8260C	DICHLORODIFLUOROMETHANE	75-71-8	UG_L	2	UJ	mc,c
8260C	ETHYLBENZENE	100-41-4	UG_L	1	UJ	mc
8260C	ISOPROPYLBENZENE	98-82-8	UG_L	1	UJ	mc
8260C	M- AND P-XYLENE	108-38-3/106-42	UG_L	2	UJ	mc
8260C	METHYL ACETATE	79-20-9	UG_L	1.5	UJ	mc
8260C	METHYL CYCLOHEXANE	108-87-2	UG_L	1	UJ	mc
8260C	METHYL TERT-BUTYL ETHER	1634-04-4	UG_L	1	UJ	mc
8260C	METHYLENE CHLORIDE	75-09-2	UG_L	5	UJ	mc
8260C	O-XYLENE	95-47-6	UG_L	1	UJ	mc
8260C	STYRENE	100-42-5	UG_L	1	UJ	mc
8260C	TETRACHLOROETHENE	127-18-4	UG_L	1	UJ	mc,c
8260C	TOLUENE	108-88-3	UG_L	1	UJ	mc
8260C	TRANS-1,2-DICHLOROETHENE	156-60-5	UG_L	1	UJ	mc
8260C	TRANS-1,3-DICHLOROPROPENE	10061-02-6	UG_L	1	UJ	mc
8260C	TRICHLOROETHENE	79-01-6	UG_L	1	UJ	mc
8260C	TRICHLOROFUOROMETHANE	75-69-4	UG_L	2	UJ	mc
8260C	VINYL CHLORIDE	75-01-4	UG_L	2	UJ	mc
8260C	XYLENES, TOTAL	1330-20-7	UG_L	3	UJ	mc

*Notes:*

- UG\_L = Micrograms per liter  
 Qual = Final qualifiers (See Attachment B)  
 RC = Reason codes (See Attachment C)

Final Results after Data Review  
NWIRP Bethpage OU 2 Regional Groundwater Investigation

Sample Delivery Group				SJ0528		
Lab ID				SJ0528-2		
Sample ID				VPB163-GW-011916-838-840		
Sample Date				1/19/2016		
Sample Type				Groundwater		
Method	Analyte	CAS No	Units	Result	Qual	RC
8260C	1,1,1-TRICHLOROETHANE	71-55-6	UG_L	0.5	UJ	mc
8260C	1,1,2,2-TETRACHLOROETHANE	79-34-5	UG_L	0.5	UJ	mc
8260C	1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	76-13-1	UG_L	0.5	UJ	mc
8260C	1,1,2-TRICHLOROETHANE	79-00-5	UG_L	0.5	UJ	mc
8260C	1,1-DICHLOROETHANE	75-34-3	UG_L	0.5	UJ	mc
8260C	1,1-DICHLOROETHENE	75-35-4	UG_L	0.5	UJ	mc
8260C	1,2,4-TRICHLOROBENZENE	120-82-1	UG_L	0.5	UJ	mc
8260C	1,2-DIBROMO-3-CHLOROPROPANE	96-12-8	UG_L	0.75	UJ	mc
8260C	1,2-DIBROMOETHANE	106-93-4	UG_L	0.5	UJ	mc
8260C	1,2-DICHLOROBENZENE	95-50-1	UG_L	0.5	UJ	mc
8260C	1,2-DICHLOROETHANE	107-06-2	UG_L	0.5	UJ	mc
8260C	1,2-DICHLOROETHENE, TOTAL	540-59-0	UG_L	1	UJ	mc
8260C	1,2-DICHLOROPROPANE	78-87-5	UG_L	0.5	UJ	mc
8260C	1,3-DICHLOROBENZENE	541-73-1	UG_L	0.5	UJ	mc
8260C	1,4-DICHLOROBENZENE	106-46-7	UG_L	0.5	UJ	mc
8260C	2-BUTANONE	78-93-3	UG_L	2.5	UJ	mc,c
8260C	2-HEXANONE	591-78-6	UG_L	2.5	UJ	mc,c
8260C	4-METHYL-2-PENTANONE	108-10-1	UG_L	2.5	UJ	mc,c
8260C	ACETONE	67-64-1	UG_L	14	J	mc,l,c
8260C	BENZENE	71-43-2	UG_L	0.5	UJ	mc
8260C	BROMODICHLOROMETHANE	75-27-4	UG_L	0.5	UJ	mc
8260C	BROMOFORM	75-25-2	UG_L	0.5	UJ	mc
8260C	BROMOMETHANE	74-83-9	UG_L	1	UJ	mc
8260C	CARBON DISULFIDE	75-15-0	UG_L	0.5	UJ	mc
8260C	CARBON TETRACHLORIDE	56-23-5	UG_L	0.5	UJ	mc
8260C	CHLOROBENZENE	108-90-7	UG_L	0.5	UJ	mc
8260C	CHLOROETHANE	75-00-3	UG_L	1	UJ	mc,c
8260C	CHLOROFORM	67-66-3	UG_L	0.5	UJ	mc
8260C	CHLOROMETHANE	74-87-3	UG_L	1	UJ	mc,c
8260C	CIS-1,2-DICHLOROETHENE	156-59-2	UG_L	0.5	UJ	mc
8260C	CIS-1,3-DICHLOROPROPENE	10061-01-5	UG_L	0.5	UJ	mc
8260C	CYCLOHEXANE	110-82-7	UG_L	0.5	UJ	mc
8260C	DIBROMOCHLOROMETHANE	124-48-1	UG_L	0.5	UJ	mc
8260C	DICHLORODIFLUOROMETHANE	75-71-8	UG_L	1	UJ	mc,c
8260C	ETHYLBENZENE	100-41-4	UG_L	0.5	UJ	mc
8260C	ISOPROPYLBENZENE	98-82-8	UG_L	0.5	UJ	mc
8260C	M- AND P-XYLENE	108-38-3/106-42	UG_L	1	UJ	mc
8260C	METHYL ACETATE	79-20-9	UG_L	0.75	UJ	mc
8260C	METHYL CYCLOHEXANE	108-87-2	UG_L	0.5	UJ	mc
8260C	METHYL TERT-BUTYL ETHER	1634-04-4	UG_L	0.5	UJ	mc
8260C	METHYLENE CHLORIDE	75-09-2	UG_L	2.5	UJ	mc
8260C	O-XYLENE	95-47-6	UG_L	0.5	UJ	mc
8260C	STYRENE	100-42-5	UG_L	0.5	UJ	mc
8260C	TETRACHLOROETHENE	127-18-4	UG_L	0.5	UJ	mc
8260C	TOLUENE	108-88-3	UG_L	0.5	UJ	mc
8260C	TRANS-1,2-DICHLOROETHENE	156-60-5	UG_L	0.5	UJ	mc
8260C	TRANS-1,3-DICHLOROPROPENE	10061-02-6	UG_L	0.5	UJ	mc
8260C	TRICHLOROETHENE	79-01-6	UG_L	0.5	UJ	mc
8260C	TRICHLOROFUOROMETHANE	75-69-4	UG_L	1	UJ	mc
8260C	VINYL CHLORIDE	75-01-4	UG_L	1	UJ	mc
8260C	XYLENES, TOTAL	1330-20-7	UG_L	1.5	UJ	mc

*Notes:*

- UG\_L = Micrograms per liter  
 Qual = Final qualifiers (See Attachment B)  
 RC = Reason codes (See Attachment C)

Final Results after Data Review  
NWIRP Bethpage OU 2 Regional Groundwater Investigation

Sample Delivery Group				SJ0528	
Lab ID				SJ0528-3	
Sample ID				VPB163-GW-012016-858-860	
Sample Date				1/20/2016	
Sample Type				Groundwater	
Method	Analyte	CAS No	Units	Result	Qual
8260C	1,1,1-TRICHLOROETHANE	71-55-6	UG_L	0.5	U
8260C	1,1,2,2-TETRACHLOROETHANE	79-34-5	UG_L	0.5	U
8260C	1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	76-13-1	UG_L	0.5	U
8260C	1,1,2-TRICHLOROETHANE	79-00-5	UG_L	0.5	U
8260C	1,1-DICHLOROETHANE	75-34-3	UG_L	0.5	U
8260C	1,1-DICHLOROETHENE	75-35-4	UG_L	0.5	U
8260C	1,2,4-TRICHLOROBENZENE	120-82-1	UG_L	0.5	U
8260C	1,2-DIBROMO-3-CHLOROPROPANE	96-12-8	UG_L	0.75	U
8260C	1,2-DIBROMOETHANE	106-93-4	UG_L	0.5	U
8260C	1,2-DICHLOROBENZENE	95-50-1	UG_L	0.5	U
8260C	1,2-DICHLOROETHANE	107-06-2	UG_L	0.5	U
8260C	1,2-DICHLOROETHENE, TOTAL	540-59-0	UG_L	1	U
8260C	1,2-DICHLOROPROPANE	78-87-5	UG_L	0.5	U
8260C	1,3-DICHLOROBENZENE	541-73-1	UG_L	0.5	U
8260C	1,4-DICHLOROBENZENE	106-46-7	UG_L	0.5	U
8260C	2-BUTANONE	78-93-3	UG_L	2.5	UJ
8260C	2-HEXANONE	591-78-6	UG_L	2.5	UJ
8260C	4-METHYL-2-PENTANONE	108-10-1	UG_L	2.5	UJ
8260C	ACETONE	67-64-1	UG_L	2.5	UJ
8260C	BENZENE	71-43-2	UG_L	0.5	U
8260C	BROMODICHLOROMETHANE	75-27-4	UG_L	0.5	U
8260C	BROMOFORM	75-25-2	UG_L	0.5	U
8260C	BROMOMETHANE	74-83-9	UG_L	1	U
8260C	CARBON DISULFIDE	75-15-0	UG_L	0.5	U
8260C	CARBON TETRACHLORIDE	56-23-5	UG_L	0.5	U
8260C	CHLOROBENZENE	108-90-7	UG_L	0.5	U
8260C	CHLOROETHANE	75-00-3	UG_L	1	UJ
8260C	CHLOROFORM	67-66-3	UG_L	0.5	U
8260C	CHLOROMETHANE	74-87-3	UG_L	1	UJ
8260C	CIS-1,2-DICHLOROETHENE	156-59-2	UG_L	0.5	U
8260C	CIS-1,3-DICHLOROPROPENE	10061-01-5	UG_L	0.5	U
8260C	CYCLOHEXANE	110-82-7	UG_L	0.5	U
8260C	DIBROMOCHLOROMETHANE	124-48-1	UG_L	0.5	U
8260C	DICHLORODIFLUOROMETHANE	75-71-8	UG_L	1	UJ
8260C	ETHYLBENZENE	100-41-4	UG_L	0.5	U
8260C	ISOPROPYLBENZENE	98-82-8	UG_L	0.5	U
8260C	M- AND P-XYLENE	108-38-3/106-42	UG_L	1	U
8260C	METHYL ACETATE	79-20-9	UG_L	0.75	U
8260C	METHYL CYCLOHEXANE	108-87-2	UG_L	0.5	U
8260C	METHYL TERT-BUTYL ETHER	1634-04-4	UG_L	0.5	U
8260C	METHYLENE CHLORIDE	75-09-2	UG_L	2.5	U
8260C	O-XYLENE	95-47-6	UG_L	0.5	U
8260C	STYRENE	100-42-5	UG_L	0.5	U
8260C	TETRACHLOROETHENE	127-18-4	UG_L	0.5	U
8260C	TOLUENE	108-88-3	UG_L	0.5	U
8260C	TRANS-1,2-DICHLOROETHENE	156-60-5	UG_L	0.5	U
8260C	TRANS-1,3-DICHLOROPROPENE	10061-02-6	UG_L	0.5	U
8260C	TRICHLOROETHENE	79-01-6	UG_L	0.5	U
8260C	TRICHLOROFUOROMETHANE	75-69-4	UG_L	1	U
8260C	VINYL CHLORIDE	75-01-4	UG_L	1	U
8260C	XYLENES, TOTAL	1330-20-7	UG_L	1.5	U

*Notes:*

- UG\_L = Micrograms per liter  
 Qual = Final qualifiers (See Attachment B)  
 RC = Reason codes (See Attachment C)

Final Results after Data Review  
NWIRP Bethpage OU 2 Regional Groundwater Investigation

Sample Delivery Group				SJ0528		
Lab ID				SJ0528-4		
Sample ID				VPB163-GW-012116-878-880		
Sample Date				1/21/2016		
Sample Type				Groundwater		
Method	Analyte	CAS No	Units	Result	Qual	RC
8260C	1,1,1-TRICHLOROETHANE	71-55-6	UG_L	0.5	UJ	mc
8260C	1,1,2,2-TETRACHLOROETHANE	79-34-5	UG_L	0.5	UJ	mc
8260C	1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	76-13-1	UG_L	0.5	UJ	mc
8260C	1,1,2-TRICHLOROETHANE	79-00-5	UG_L	0.5	UJ	mc
8260C	1,1-DICHLOROETHANE	75-34-3	UG_L	0.5	UJ	mc
8260C	1,1-DICHLOROETHENE	75-35-4	UG_L	0.5	UJ	mc
8260C	1,2,4-TRICHLOROBENZENE	120-82-1	UG_L	0.5	UJ	mc
8260C	1,2-DIBROMO-3-CHLOROPROPANE	96-12-8	UG_L	0.75	UJ	mc
8260C	1,2-DIBROMOETHANE	106-93-4	UG_L	0.5	UJ	mc
8260C	1,2-DICHLOROBENZENE	95-50-1	UG_L	0.5	UJ	mc
8260C	1,2-DICHLOROETHANE	107-06-2	UG_L	0.5	UJ	mc
8260C	1,2-DICHLOROETHENE, TOTAL	540-59-0	UG_L	1	UJ	mc
8260C	1,2-DICHLOROPROPANE	78-87-5	UG_L	0.5	UJ	mc
8260C	1,3-DICHLOROBENZENE	541-73-1	UG_L	0.5	UJ	mc
8260C	1,4-DICHLOROBENZENE	106-46-7	UG_L	0.5	UJ	mc
8260C	2-BUTANONE	78-93-3	UG_L	2.5	UJ	mc,c
8260C	2-HEXANONE	591-78-6	UG_L	2.5	UJ	mc,c
8260C	4-METHYL-2-PENTANONE	108-10-1	UG_L	2.5	UJ	mc,c
8260C	ACETONE	67-64-1	UG_L	2.5	UJ	mc,c
8260C	BENZENE	71-43-2	UG_L	0.5	UJ	mc
8260C	BROMODICHLOROMETHANE	75-27-4	UG_L	0.5	UJ	mc
8260C	BROMOFORM	75-25-2	UG_L	0.5	UJ	mc
8260C	BROMOMETHANE	74-83-9	UG_L	1	UJ	mc
8260C	CARBON DISULFIDE	75-15-0	UG_L	0.5	UJ	mc
8260C	CARBON TETRACHLORIDE	56-23-5	UG_L	0.5	UJ	mc
8260C	CHLOROBENZENE	108-90-7	UG_L	0.5	UJ	mc
8260C	CHLOROETHANE	75-00-3	UG_L	1	UJ	mc,c
8260C	CHLOROFORM	67-66-3	UG_L	0.5	UJ	mc
8260C	CHLOROMETHANE	74-87-3	UG_L	1	UJ	mc,c
8260C	CIS-1,2-DICHLOROETHENE	156-59-2	UG_L	0.5	UJ	mc
8260C	CIS-1,3-DICHLOROPROPENE	10061-01-5	UG_L	0.5	UJ	mc
8260C	CYCLOHEXANE	110-82-7	UG_L	0.5	UJ	mc
8260C	DIBROMOCHLOROMETHANE	124-48-1	UG_L	0.5	UJ	mc
8260C	DICHLORODIFLUOROMETHANE	75-71-8	UG_L	1	UJ	mc,c
8260C	ETHYLBENZENE	100-41-4	UG_L	0.5	UJ	mc
8260C	ISOPROPYLBENZENE	98-82-8	UG_L	0.5	UJ	mc
8260C	M- AND P-XYLENE	108-38-3/106-42	UG_L	1	UJ	mc
8260C	METHYL ACETATE	79-20-9	UG_L	0.75	UJ	mc
8260C	METHYL CYCLOHEXANE	108-87-2	UG_L	0.5	UJ	mc
8260C	METHYL TERT-BUTYL ETHER	1634-04-4	UG_L	0.5	UJ	mc
8260C	METHYLENE CHLORIDE	75-09-2	UG_L	2.5	UJ	mc
8260C	O-XYLENE	95-47-6	UG_L	0.5	UJ	mc
8260C	STYRENE	100-42-5	UG_L	0.5	UJ	mc
8260C	TETRACHLOROETHENE	127-18-4	UG_L	0.5	UJ	mc
8260C	TOLUENE	108-88-3	UG_L	0.5	UJ	mc
8260C	TRANS-1,2-DICHLOROETHENE	156-60-5	UG_L	0.5	UJ	mc
8260C	TRANS-1,3-DICHLOROPROPENE	10061-02-6	UG_L	0.5	UJ	mc
8260C	TRICHLOROETHENE	79-01-6	UG_L	0.5	UJ	mc
8260C	TRICHLOROFUOROMETHANE	75-69-4	UG_L	1	UJ	mc
8260C	VINYL CHLORIDE	75-01-4	UG_L	1	UJ	mc
8260C	XYLENES, TOTAL	1330-20-7	UG_L	1.5	UJ	mc

*Notes:*

- UG\_L = Micrograms per liter  
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 RC = Reason codes (See Attachment C)

Final Results after Data Review  
NWIRP Bethpage OU 2 Regional Groundwater Investigation

Sample Delivery Group				SJ0690		
Lab ID				SJ0690-2DL		
Sample ID				VPB163-GW-012616-918-920		
Sample Date				1/26/2016		
Sample Type				Groundwater		
Method	Analyte	CAS No	Units	Result	Qual	RC
8260C	1,1,1-TRICHLOROETHANE	71-55-6	UG_L	3.4	UJ	mc
8260C	1,1,2,2-TETRACHLOROETHANE	79-34-5	UG_L	3.4	UJ	mc
8260C	1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	76-13-1	UG_L	3.4	UJ	mc
8260C	1,1,2-TRICHLOROETHANE	79-00-5	UG_L	3.4	UJ	mc
8260C	1,1-DICHLOROETHANE	75-34-3	UG_L	3.4	UJ	mc
8260C	1,1-DICHLOROETHENE	75-35-4	UG_L	3.4	UJ	mc
8260C	1,2,4-TRICHLOROBENZENE	120-82-1	UG_L	3.4	UJ	mc
8260C	1,2-DIBROMO-3-CHLOROPROPANE	96-12-8	UG_L	5	UJ	mc,c
8260C	1,2-DIBROMOETHANE	106-93-4	UG_L	3.4	UJ	mc
8260C	1,2-DICHLOROBENZENE	95-50-1	UG_L	3.4	UJ	mc
8260C	1,2-DICHLOROETHANE	107-06-2	UG_L	3.4	UJ	mc
8260C	1,2-DICHLOROETHENE, TOTAL	540-59-0	UG_L	6.7	UJ	mc
8260C	1,2-DICHLOROPROPANE	78-87-5	UG_L	3.4	UJ	mc
8260C	1,3-DICHLOROBENZENE	541-73-1	UG_L	3.4	UJ	mc
8260C	1,4-DICHLOROBENZENE	106-46-7	UG_L	3.4	UJ	mc
8260C	2-BUTANONE	78-93-3	UG_L	17	UJ	mc,c
8260C	2-HEXANONE	591-78-6	UG_L	17	UJ	mc,c
8260C	4-METHYL-2-PENTANONE	108-10-1	UG_L	17	UJ	mc,c
8260C	ACETONE	67-64-1	UG_L	19	J	mc,c
8260C	BENZENE	71-43-2	UG_L	3.4	UJ	mc
8260C	BROMODICHLOROMETHANE	75-27-4	UG_L	3.4	UJ	mc
8260C	BROMOFORM	75-25-2	UG_L	3.4	UJ	mc
8260C	BROMOMETHANE	74-83-9	UG_L	6.7	UJ	mc
8260C	CARBON DISULFIDE	75-15-0	UG_L	3.4	UJ	bt,bl,mc,c
8260C	CARBON TETRACHLORIDE	56-23-5	UG_L	3.4	UJ	mc
8260C	CHLOROBENZENE	108-90-7	UG_L	3.4	UJ	mc
8260C	CHLOROETHANE	75-00-3	UG_L	6.7	UJ	mc
8260C	CHLOROFORM	67-66-3	UG_L	3.4	UJ	mc
8260C	CHLOROMETHANE	74-87-3	UG_L	6.7	UJ	mc
8260C	CIS-1,2-DICHLOROETHENE	156-59-2	UG_L	3.4	UJ	mc
8260C	CIS-1,3-DICHLOROPROPENE	10061-01-5	UG_L	3.4	UJ	mc
8260C	CYCLOHEXANE	110-82-7	UG_L	3.4	UJ	mc
8260C	DIBROMOCHLOROMETHANE	124-48-1	UG_L	3.4	UJ	mc
8260C	DICHLORODIFLUOROMETHANE	75-71-8	UG_L	6.7	UJ	mc
8260C	ETHYLBENZENE	100-41-4	UG_L	3.4	UJ	mc
8260C	ISOPROPYLBENZENE	98-82-8	UG_L	3.4	UJ	mc
8260C	M- AND P-XYLENE	108-38-3/106-42	UG_L	6.7	UJ	mc
8260C	METHYL ACETATE	79-20-9	UG_L	5	UJ	mc
8260C	METHYL CYCLOHEXANE	108-87-2	UG_L	3.4	UJ	mc
8260C	METHYL TERT-BUTYL ETHER	1634-04-4	UG_L	3.4	UJ	mc
8260C	METHYLENE CHLORIDE	75-09-2	UG_L	17	UJ	mc
8260C	O-XYLENE	95-47-6	UG_L	3.4	UJ	mc
8260C	STYRENE	100-42-5	UG_L	3.4	UJ	mc
8260C	TETRACHLOROETHENE	127-18-4	UG_L	3.4	UJ	mc,c
8260C	TOLUENE	108-88-3	UG_L	3.4	UJ	mc
8260C	TRANS-1,2-DICHLOROETHENE	156-60-5	UG_L	3.4	UJ	mc
8260C	TRANS-1,3-DICHLOROPROPENE	10061-02-6	UG_L	3.4	UJ	mc
8260C	TRICHLOROETHENE	79-01-6	UG_L	3.4	UJ	mc
8260C	TRICHLOROFUOROMETHANE	75-69-4	UG_L	6.7	UJ	mc
8260C	VINYL CHLORIDE	75-01-4	UG_L	6.7	UJ	mc
8260C	XYLENES, TOTAL	1330-20-7	UG_L	10	UJ	mc

*Notes:*

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 RC = Reason codes (See Attachment C)

Final Results after Data Review  
NWIRP Bethpage OU 2 Regional Groundwater Investigation

Sample Delivery Group				SJ0690		
Lab ID				SJ0690-3DL		
Sample ID				VPB163-GW-012716-938-940		
Sample Date				1/27/2016		
Sample Type				Groundwater		
Method	Analyte	CAS No	Units	Result	Qual	RC
8260C	1,1,1-TRICHLOROETHANE	71-55-6	UG_L	2	UJ	mc
8260C	1,1,2,2-TETRACHLOROETHANE	79-34-5	UG_L	2	UJ	mc
8260C	1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	76-13-1	UG_L	2	UJ	mc
8260C	1,1,2-TRICHLOROETHANE	79-00-5	UG_L	2	UJ	mc
8260C	1,1-DICHLOROETHANE	75-34-3	UG_L	2	UJ	mc
8260C	1,1-DICHLOROETHENE	75-35-4	UG_L	2	UJ	mc
8260C	1,2,4-TRICHLOROBENZENE	120-82-1	UG_L	2	UJ	mc
8260C	1,2-DIBROMO-3-CHLOROPROPANE	96-12-8	UG_L	3	UJ	mc,c
8260C	1,2-DIBROMOETHANE	106-93-4	UG_L	2	UJ	mc
8260C	1,2-DICHLOROBENZENE	95-50-1	UG_L	2	UJ	mc
8260C	1,2-DICHLOROETHANE	107-06-2	UG_L	2	UJ	mc
8260C	1,2-DICHLOROETHENE, TOTAL	540-59-0	UG_L	4	UJ	mc
8260C	1,2-DICHLOROPROPANE	78-87-5	UG_L	2	UJ	mc
8260C	1,3-DICHLOROBENZENE	541-73-1	UG_L	2	UJ	mc
8260C	1,4-DICHLOROBENZENE	106-46-7	UG_L	2	UJ	mc
8260C	2-BUTANONE	78-93-3	UG_L	10	UJ	mc,c
8260C	2-HEXANONE	591-78-6	UG_L	10	UJ	mc,c
8260C	4-METHYL-2-PENTANONE	108-10-1	UG_L	10	UJ	mc,c
8260C	ACETONE	67-64-1	UG_L	16	J	mc,c
8260C	BENZENE	71-43-2	UG_L	2	UJ	mc
8260C	BROMODICHLOROMETHANE	75-27-4	UG_L	2	UJ	mc
8260C	BROMOFORM	75-25-2	UG_L	2	UJ	mc
8260C	BROMOMETHANE	74-83-9	UG_L	4	UJ	mc
8260C	CARBON DISULFIDE	75-15-0	UG_L	2	UJ	bt,bl,mc,c
8260C	CARBON TETRACHLORIDE	56-23-5	UG_L	2	UJ	mc
8260C	CHLOROBENZENE	108-90-7	UG_L	2	UJ	mc
8260C	CHLOROETHANE	75-00-3	UG_L	4	UJ	mc
8260C	CHLOROFORM	67-66-3	UG_L	2	UJ	mc
8260C	CHLOROMETHANE	74-87-3	UG_L	4	UJ	mc
8260C	CIS-1,2-DICHLOROETHENE	156-59-2	UG_L	2	UJ	mc
8260C	CIS-1,3-DICHLOROPROPENE	10061-01-5	UG_L	2	UJ	mc
8260C	CYCLOHEXANE	110-82-7	UG_L	2	UJ	mc
8260C	DIBROMOCHLOROMETHANE	124-48-1	UG_L	2	UJ	mc
8260C	DICHLORODIFLUOROMETHANE	75-71-8	UG_L	4	UJ	mc
8260C	ETHYLBENZENE	100-41-4	UG_L	2	UJ	mc
8260C	ISOPROPYLBENZENE	98-82-8	UG_L	2	UJ	mc
8260C	M- AND P-XYLENE	108-38-3/106-42	UG_L	4	UJ	mc
8260C	METHYL ACETATE	79-20-9	UG_L	3.2	J	mc
8260C	METHYL CYCLOHEXANE	108-87-2	UG_L	2	UJ	mc
8260C	METHYL TERT-BUTYL ETHER	1634-04-4	UG_L	2	UJ	mc
8260C	METHYLENE CHLORIDE	75-09-2	UG_L	10	UJ	mc
8260C	O-XYLENE	95-47-6	UG_L	2	UJ	mc
8260C	STYRENE	100-42-5	UG_L	2	UJ	mc
8260C	TETRACHLOROETHENE	127-18-4	UG_L	2	UJ	mc,c
8260C	TOLUENE	108-88-3	UG_L	2	UJ	mc
8260C	TRANS-1,2-DICHLOROETHENE	156-60-5	UG_L	2	UJ	mc
8260C	TRANS-1,3-DICHLOROPROPENE	10061-02-6	UG_L	2	UJ	mc
8260C	TRICHLOROETHENE	79-01-6	UG_L	2	UJ	mc
8260C	TRICHLOROFUOROMETHANE	75-69-4	UG_L	4	UJ	mc
8260C	VINYL CHLORIDE	75-01-4	UG_L	4	UJ	mc
8260C	XYLENES, TOTAL	1330-20-7	UG_L	6	UJ	mc

*Notes:*

- UG\_L = Micrograms per liter  
 Qual = Final qualifiers (See Attachment B)  
 RC = Reason codes (See Attachment C)

Final Results after Data Review  
NWIRP Bethpage OU 2 Regional Groundwater Investigation

Sample Delivery Group				SJ0690		
Lab ID				SJ0690-4DL		
Sample ID				VPB163-GW-012716-958-960		
Sample Date				1/27/2016		
Sample Type				Groundwater		
Method	Analyte	CAS No	Units	Result	Qual	RC
8260C	1,1,1-TRICHLOROETHANE	71-55-6	UG_L	5.7	UJ	mc
8260C	1,1,2,2-TETRACHLOROETHANE	79-34-5	UG_L	5.7	UJ	mc
8260C	1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	76-13-1	UG_L	5.7	UJ	mc
8260C	1,1,2-TRICHLOROETHANE	79-00-5	UG_L	5.7	UJ	mc
8260C	1,1-DICHLOROETHANE	75-34-3	UG_L	5.7	UJ	mc
8260C	1,1-DICHLOROETHENE	75-35-4	UG_L	5.7	UJ	mc
8260C	1,2,4-TRICHLOROBENZENE	120-82-1	UG_L	5.7	UJ	mc
8260C	1,2-DIBROMO-3-CHLOROPROPANE	96-12-8	UG_L	8.6	UJ	mc,c
8260C	1,2-DIBROMOETHANE	106-93-4	UG_L	5.7	UJ	mc
8260C	1,2-DICHLOROBENZENE	95-50-1	UG_L	5.7	UJ	mc
8260C	1,2-DICHLOROETHANE	107-06-2	UG_L	5.7	UJ	mc
8260C	1,2-DICHLOROETHENE, TOTAL	540-59-0	UG_L	11	UJ	mc
8260C	1,2-DICHLOROPROPANE	78-87-5	UG_L	5.7	UJ	mc
8260C	1,3-DICHLOROBENZENE	541-73-1	UG_L	5.7	UJ	mc
8260C	1,4-DICHLOROBENZENE	106-46-7	UG_L	5.7	UJ	mc
8260C	2-BUTANONE	78-93-3	UG_L	28	UJ	mc,c
8260C	2-HEXANONE	591-78-6	UG_L	28	UJ	mc,c
8260C	4-METHYL-2-PENTANONE	108-10-1	UG_L	28	UJ	mc,c
8260C	ACETONE	67-64-1	UG_L	28	UJ	mc,c
8260C	BENZENE	71-43-2	UG_L	5.7	UJ	mc
8260C	BROMODICHLOROMETHANE	75-27-4	UG_L	5.7	UJ	mc
8260C	BROMOFORM	75-25-2	UG_L	5.7	UJ	mc
8260C	BROMOMETHANE	74-83-9	UG_L	11	UJ	mc
8260C	CARBON DISULFIDE	75-15-0	UG_L	5.7	UJ	bt,bl,mc,c
8260C	CARBON TETRACHLORIDE	56-23-5	UG_L	5.7	UJ	mc
8260C	CHLOROBENZENE	108-90-7	UG_L	5.7	UJ	mc
8260C	CHLOROETHANE	75-00-3	UG_L	11	UJ	mc
8260C	CHLOROFORM	67-66-3	UG_L	5.7	UJ	mc
8260C	CHLOROMETHANE	74-87-3	UG_L	11	UJ	mc
8260C	CIS-1,2-DICHLOROETHENE	156-59-2	UG_L	5.7	UJ	mc
8260C	CIS-1,3-DICHLOROPROPENE	10061-01-5	UG_L	5.7	UJ	mc
8260C	CYCLOHEXANE	110-82-7	UG_L	5.7	UJ	mc
8260C	DIBROMOCHLOROMETHANE	124-48-1	UG_L	5.7	UJ	mc
8260C	DICHLORODIFLUOROMETHANE	75-71-8	UG_L	11	UJ	mc
8260C	ETHYLBENZENE	100-41-4	UG_L	5.7	UJ	mc
8260C	ISOPROPYLBENZENE	98-82-8	UG_L	5.7	UJ	mc
8260C	M- AND P-XYLENE	108-38-3/106-42	UG_L	11	UJ	mc
8260C	METHYL ACETATE	79-20-9	UG_L	8.6	UJ	mc
8260C	METHYL CYCLOHEXANE	108-87-2	UG_L	5.7	UJ	mc
8260C	METHYL TERT-BUTYL ETHER	1634-04-4	UG_L	5.7	UJ	mc
8260C	METHYLENE CHLORIDE	75-09-2	UG_L	28	UJ	mc
8260C	O-XYLENE	95-47-6	UG_L	5.7	UJ	mc
8260C	STYRENE	100-42-5	UG_L	5.7	UJ	mc
8260C	TETRACHLOROETHENE	127-18-4	UG_L	5.7	UJ	mc,c
8260C	TOLUENE	108-88-3	UG_L	5.7	UJ	mc
8260C	TRANS-1,2-DICHLOROETHENE	156-60-5	UG_L	5.7	UJ	mc
8260C	TRANS-1,3-DICHLOROPROPENE	10061-02-6	UG_L	5.7	UJ	mc
8260C	TRICHLOROETHENE	79-01-6	UG_L	5.7	UJ	mc
8260C	TRICHLOROFUOROMETHANE	75-69-4	UG_L	11	UJ	mc
8260C	VINYL CHLORIDE	75-01-4	UG_L	11	UJ	mc
8260C	XYLENES, TOTAL	1330-20-7	UG_L	17	UJ	mc

*Notes:*

- UG\_L = Micrograms per liter  
 Qual = Final qualifiers (See Attachment B)  
 RC = Reason codes (See Attachment C)

Final Results after Data Review  
NWIRP Bethpage OU 2 Regional Groundwater Investigation

Sample Delivery Group				TI0216		
Lab ID				T10216-3		
Sample ID				VPB163-GW-121615-58-60		
Sample Date				12/16/2015		
Sample Type				Groundwater		
Method	Analyte	CAS No	Units	Result	Qual	RC
8260C	1,1,1-TRICHLOROETHANE	71-55-6	UG_L	0.5	U	
8260C	1,1,2,2-TETRACHLOROETHANE	79-34-5	UG_L	0.5	U	
8260C	1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	76-13-1	UG_L	0.5	U	
8260C	1,1,2-TRICHLOROETHANE	79-00-5	UG_L	0.5	U	
8260C	1,1-DICHLOROETHANE	75-34-3	UG_L	0.5	U	
8260C	1,1-DICHLOROETHENE	75-35-4	UG_L	0.5	U	
8260C	1,2,4-TRICHLOROBENZENE	120-82-1	UG_L	0.5	U	
8260C	1,2-DIBROMO-3-CHLOROPROPANE	96-12-8	UG_L	0.75	U	
8260C	1,2-DIBROMOETHANE	106-93-4	UG_L	0.5	U	
8260C	1,2-DICHLOROBENZENE	95-50-1	UG_L	0.5	U	
8260C	1,2-DICHLOROETHANE	107-06-2	UG_L	0.5	U	
8260C	1,2-DICHLOROETHENE, TOTAL	540-59-0	UG_L	1	U	
8260C	1,2-DICHLOROPROPANE	78-87-5	UG_L	0.5	U	
8260C	1,3-DICHLOROBENZENE	541-73-1	UG_L	0.5	U	
8260C	1,4-DICHLOROBENZENE	106-46-7	UG_L	0.5	U	
8260C	2-BUTANONE	78-93-3	UG_L	2.5	U	
8260C	2-HEXANONE	591-78-6	UG_L	2.5	U	
8260C	4-METHYL-2-PENTANONE	108-10-1	UG_L	2.5	U	
8260C	ACETONE	67-64-1	UG_L	5.2		
8260C	BENZENE	71-43-2	UG_L	0.5	U	
8260C	BROMODICHLOROMETHANE	75-27-4	UG_L	0.5	U	
8260C	BROMOFORM	75-25-2	UG_L	0.5	U	
8260C	BROMOMETHANE	74-83-9	UG_L	1	U	
8260C	CARBON DISULFIDE	75-15-0	UG_L	0.5	U	
8260C	CARBON TETRACHLORIDE	56-23-5	UG_L	0.5	U	
8260C	CHLOROBENZENE	108-90-7	UG_L	0.5	U	
8260C	CHLOROETHANE	75-00-3	UG_L	1	U	
8260C	CHLOROFORM	67-66-3	UG_L	0.89	J	
8260C	CHLOROMETHANE	74-87-3	UG_L	1	UJ	c
8260C	CIS-1,2-DICHLOROETHENE	156-59-2	UG_L	0.5	U	
8260C	CIS-1,3-DICHLOROPROPENE	10061-01-5	UG_L	0.5	U	
8260C	CYCLOHEXANE	110-82-7	UG_L	0.5	U	
8260C	DIBROMOCHLOROMETHANE	124-48-1	UG_L	0.5	U	
8260C	DICHLORODIFLUOROMETHANE	75-71-8	UG_L	1	UJ	c
8260C	ETHYLBENZENE	100-41-4	UG_L	0.5	U	
8260C	ISOPROPYLBENZENE	98-82-8	UG_L	0.5	U	
8260C	M- AND P-XYLENE	108-38-3/106-42	UG_L	1	U	
8260C	METHYL ACETATE	79-20-9	UG_L	0.75	U	
8260C	METHYL CYCLOHEXANE	108-87-2	UG_L	0.5	U	
8260C	METHYL TERT-BUTYL ETHER	1634-04-4	UG_L	0.5	U	
8260C	METHYLENE CHLORIDE	75-09-2	UG_L	2.5	U	
8260C	O-XYLENE	95-47-6	UG_L	0.5	U	
8260C	STYRENE	100-42-5	UG_L	0.5	U	
8260C	TETRACHLOROETHENE	127-18-4	UG_L	0.64	J	
8260C	TOLUENE	108-88-3	UG_L	0.5	U	
8260C	TRANS-1,2-DICHLOROETHENE	156-60-5	UG_L	0.5	U	
8260C	TRANS-1,3-DICHLOROPROPENE	10061-02-6	UG_L	0.5	U	
8260C	TRICHLOROETHENE	79-01-6	UG_L	0.5	U	
8260C	TRICHLOROFUOROMETHANE	75-69-4	UG_L	1	UJ	c
8260C	VINYL CHLORIDE	75-01-4	UG_L	1	UJ	c
8260C	XYLENES, TOTAL	1330-20-7	UG_L	1.5	U	

*Notes:*

- UG\_L = Micrograms per liter
- Qual = Final qualifiers (See Attachment B)
- RC = Reason codes (See Attachment C)

Final Results after Data Review  
NWIRP Bethpage OU 2 Regional Groundwater Investigation

Sample Delivery Group				TI0291		
Lab ID				TI0291-2		
Sample ID				VPB163-GW-121815-118-120		
Sample Date				12/18/2015		
Sample Type				Groundwater		
Method	Analyte	CAS No	Units	Result	Qual	RC
8260C	1,1,1-TRICHLOROETHANE	71-55-6	UG_L	0.5	U	
8260C	1,1,2,2-TETRACHLOROETHANE	79-34-5	UG_L	0.5	U	
8260C	1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	76-13-1	UG_L	0.5	U	
8260C	1,1,2-TRICHLOROETHANE	79-00-5	UG_L	0.5	U	
8260C	1,1-DICHLOROETHANE	75-34-3	UG_L	2.2		
8260C	1,1-DICHLOROETHENE	75-35-4	UG_L	0.5	U	
8260C	1,2,4-TRICHLOROBENZENE	120-82-1	UG_L	0.5	U	
8260C	1,2-DIBROMO-3-CHLOROPROPANE	96-12-8	UG_L	0.75	U	
8260C	1,2-DIBROMOETHANE	106-93-4	UG_L	0.5	U	
8260C	1,2-DICHLOROBENZENE	95-50-1	UG_L	0.5	U	
8260C	1,2-DICHLOROETHANE	107-06-2	UG_L	0.5	U	
8260C	1,2-DICHLOROETHENE, TOTAL	540-59-0	UG_L	1	U	
8260C	1,2-DICHLOROPROPANE	78-87-5	UG_L	0.5	U	
8260C	1,3-DICHLOROBENZENE	541-73-1	UG_L	0.5	U	
8260C	1,4-DICHLOROBENZENE	106-46-7	UG_L	0.5	U	
8260C	2-BUTANONE	78-93-3	UG_L	2.5	U	
8260C	2-HEXANONE	591-78-6	UG_L	2.5	U	
8260C	4-METHYL-2-PENTANONE	108-10-1	UG_L	2.5	UJ	C
8260C	ACETONE	67-64-1	UG_L	5.4		
8260C	BENZENE	71-43-2	UG_L	0.5	U	
8260C	BROMODICHLOROMETHANE	75-27-4	UG_L	0.5	U	
8260C	BROMOFORM	75-25-2	UG_L	0.5	U	
8260C	BROMOMETHANE	74-83-9	UG_L	1	U	
8260C	CARBON DISULFIDE	75-15-0	UG_L	0.5	U	
8260C	CARBON TETRACHLORIDE	56-23-5	UG_L	0.5	U	
8260C	CHLOROBENZENE	108-90-7	UG_L	0.5	U	
8260C	CHLOROETHANE	75-00-3	UG_L	1	UJ	C
8260C	CHLOROFORM	67-66-3	UG_L	0.5	U	
8260C	CHLOROMETHANE	74-87-3	UG_L	1	U	
8260C	CIS-1,2-DICHLOROETHENE	156-59-2	UG_L	0.5	U	
8260C	CIS-1,3-DICHLOROPROPENE	10061-01-5	UG_L	0.5	U	
8260C	CYCLOHEXANE	110-82-7	UG_L	0.5	U	
8260C	DIBROMOCHLOROMETHANE	124-48-1	UG_L	0.5	U	
8260C	DICHLORODIFLUOROMETHANE	75-71-8	UG_L	1.4	J	
8260C	ETHYLBENZENE	100-41-4	UG_L	0.5	U	
8260C	ISOPROPYLBENZENE	98-82-8	UG_L	0.5	U	
8260C	M- AND P-XYLENE	108-38-3/106-42	UG_L	1	U	
8260C	METHYL ACETATE	79-20-9	UG_L	0.75	U	
8260C	METHYL CYCLOHEXANE	108-87-2	UG_L	0.5	U	
8260C	METHYL TERT-BUTYL ETHER	1634-04-4	UG_L	0.5	U	
8260C	METHYLENE CHLORIDE	75-09-2	UG_L	2.5	U	
8260C	O-XYLENE	95-47-6	UG_L	0.5	U	
8260C	STYRENE	100-42-5	UG_L	0.5	U	
8260C	TETRACHLOROETHENE	127-18-4	UG_L	1.7	J	C
8260C	TOLUENE	108-88-3	UG_L	0.5	U	
8260C	TRANS-1,2-DICHLOROETHENE	156-60-5	UG_L	0.5	U	
8260C	TRANS-1,3-DICHLOROPROPENE	10061-02-6	UG_L	0.5	U	
8260C	TRICHLOROETHENE	79-01-6	UG_L	0.5	U	
8260C	TRICHLOROFUOROMETHANE	75-69-4	UG_L	1	U	
8260C	VINYL CHLORIDE	75-01-4	UG_L	1	U	
8260C	XYLENES, TOTAL	1330-20-7	UG_L	1.5	U	

*Notes:*

- UG\_L = Micrograms per liter
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- RC = Reason codes (See Attachment C)

Final Results after Data Review  
NWIRP Bethpage OU 2 Regional Groundwater Investigation

Sample Delivery Group				TI0291		
Lab ID				TI0291-3		
Sample ID				VPB163-GW-121815-158-160		
Sample Date				12/18/2015		
Sample Type				Groundwater		
Method	Analyte	CAS No	Units	Result	Qual	RC
8260C	1,1,1-TRICHLOROETHANE	71-55-6	UG_L	0.95	J	
8260C	1,1,2,2-TETRACHLOROETHANE	79-34-5	UG_L	0.5	U	
8260C	1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	76-13-1	UG_L	0.5	U	
8260C	1,1,2-TRICHLOROETHANE	79-00-5	UG_L	0.5	U	
8260C	1,1-DICHLOROETHANE	75-34-3	UG_L	0.5	U	
8260C	1,1-DICHLOROETHENE	75-35-4	UG_L	0.44	J	
8260C	1,2,4-TRICHLOROBENZENE	120-82-1	UG_L	0.5	U	
8260C	1,2-DIBROMO-3-CHLOROPROPANE	96-12-8	UG_L	0.75	U	
8260C	1,2-DIBROMOETHANE	106-93-4	UG_L	0.5	U	
8260C	1,2-DICHLOROBENZENE	95-50-1	UG_L	0.5	U	
8260C	1,2-DICHLOROETHANE	107-06-2	UG_L	0.5	U	
8260C	1,2-DICHLOROETHENE, TOTAL	540-59-0	UG_L	1.1	J	
8260C	1,2-DICHLOROPROPANE	78-87-5	UG_L	0.5	U	
8260C	1,3-DICHLOROBENZENE	541-73-1	UG_L	0.5	U	
8260C	1,4-DICHLOROBENZENE	106-46-7	UG_L	0.5	U	
8260C	2-BUTANONE	78-93-3	UG_L	2.5	U	
8260C	2-HEXANONE	591-78-6	UG_L	2.5	U	
8260C	4-METHYL-2-PENTANONE	108-10-1	UG_L	2.5	UJ	C
8260C	ACETONE	67-64-1	UG_L	2.5	U	
8260C	BENZENE	71-43-2	UG_L	0.5	U	
8260C	BROMODICHLOROMETHANE	75-27-4	UG_L	0.5	U	
8260C	BROMOFORM	75-25-2	UG_L	0.5	U	
8260C	BROMOMETHANE	74-83-9	UG_L	1	U	
8260C	CARBON DISULFIDE	75-15-0	UG_L	0.5	U	
8260C	CARBON TETRACHLORIDE	56-23-5	UG_L	0.5	U	
8260C	CHLOROBENZENE	108-90-7	UG_L	0.5	U	
8260C	CHLOROETHANE	75-00-3	UG_L	1	UJ	C
8260C	CHLOROFORM	67-66-3	UG_L	0.5	U	
8260C	CHLOROMETHANE	74-87-3	UG_L	1	U	
8260C	CIS-1,2-DICHLOROETHENE	156-59-2	UG_L	1.1		
8260C	CIS-1,3-DICHLOROPROPENE	10061-01-5	UG_L	0.5	U	
8260C	CYCLOHEXANE	110-82-7	UG_L	0.5	U	
8260C	DIBROMOCHLOROMETHANE	124-48-1	UG_L	0.5	U	
8260C	DICHLORODIFLUOROMETHANE	75-71-8	UG_L	1	U	
8260C	ETHYLBENZENE	100-41-4	UG_L	0.5	U	
8260C	ISOPROPYLBENZENE	98-82-8	UG_L	0.5	U	
8260C	M- AND P-XYLENE	108-38-3/106-42	UG_L	1	U	
8260C	METHYL ACETATE	79-20-9	UG_L	0.75	U	
8260C	METHYL CYCLOHEXANE	108-87-2	UG_L	0.5	U	
8260C	METHYL TERT-BUTYL ETHER	1634-04-4	UG_L	0.5	U	
8260C	METHYLENE CHLORIDE	75-09-2	UG_L	2.5	U	
8260C	O-XYLENE	95-47-6	UG_L	0.5	U	
8260C	STYRENE	100-42-5	UG_L	0.5	U	
8260C	TETRACHLOROETHENE	127-18-4	UG_L	46	J	C
8260C	TOLUENE	108-88-3	UG_L	0.5	U	
8260C	TRANS-1,2-DICHLOROETHENE	156-60-5	UG_L	0.5	U	
8260C	TRANS-1,3-DICHLOROPROPENE	10061-02-6	UG_L	0.5	U	
8260C	TRICHLOROETHENE	79-01-6	UG_L	4.3		
8260C	TRICHLOROFUOROMETHANE	75-69-4	UG_L	1	U	
8260C	VINYL CHLORIDE	75-01-4	UG_L	1	U	
8260C	XYLENES, TOTAL	1330-20-7	UG_L	1.5	U	

*Notes:*

- UG\_L = Micrograms per liter
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- RC = Reason codes (See Attachment C)

Final Results after Data Review  
NWIRP Bethpage OU 2 Regional Groundwater Investigation

Sample Delivery Group				TI0291		
Lab ID				TI0291-4		
Sample ID				VPB163-GW-122115-198-200		
Sample Date				12/21/2015		
Sample Type				Groundwater		
Method	Analyte	CAS No	Units	Result	Qual	RC
8260C	1,1,1-TRICHLOROETHANE	71-55-6	UG_L	0.5	U	
8260C	1,1,2,2-TETRACHLOROETHANE	79-34-5	UG_L	0.5	U	
8260C	1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	76-13-1	UG_L	0.5	U	
8260C	1,1,2-TRICHLOROETHANE	79-00-5	UG_L	0.5	U	
8260C	1,1-DICHLOROETHANE	75-34-3	UG_L	0.5	U	
8260C	1,1-DICHLOROETHENE	75-35-4	UG_L	0.5	U	
8260C	1,2,4-TRICHLOROBENZENE	120-82-1	UG_L	0.5	U	
8260C	1,2-DIBROMO-3-CHLOROPROPANE	96-12-8	UG_L	0.75	U	
8260C	1,2-DIBROMOETHANE	106-93-4	UG_L	0.5	U	
8260C	1,2-DICHLOROBENZENE	95-50-1	UG_L	0.5	U	
8260C	1,2-DICHLOROETHANE	107-06-2	UG_L	0.5	U	
8260C	1,2-DICHLOROETHENE, TOTAL	540-59-0	UG_L	1	U	
8260C	1,2-DICHLOROPROPANE	78-87-5	UG_L	0.5	U	
8260C	1,3-DICHLOROBENZENE	541-73-1	UG_L	0.5	U	
8260C	1,4-DICHLOROBENZENE	106-46-7	UG_L	0.5	U	
8260C	2-BUTANONE	78-93-3	UG_L	2.5	U	
8260C	2-HEXANONE	591-78-6	UG_L	2.5	U	
8260C	4-METHYL-2-PENTANONE	108-10-1	UG_L	2.5	UJ	C
8260C	ACETONE	67-64-1	UG_L	3.9	J	
8260C	BENZENE	71-43-2	UG_L	0.5	U	
8260C	BROMODICHLOROMETHANE	75-27-4	UG_L	0.5	U	
8260C	BROMOFORM	75-25-2	UG_L	0.5	U	
8260C	BROMOMETHANE	74-83-9	UG_L	1	U	
8260C	CARBON DISULFIDE	75-15-0	UG_L	0.5	U	
8260C	CARBON TETRACHLORIDE	56-23-5	UG_L	0.5	U	
8260C	CHLOROBENZENE	108-90-7	UG_L	0.5	U	
8260C	CHLOROETHANE	75-00-3	UG_L	1	UJ	C
8260C	CHLOROFORM	67-66-3	UG_L	0.5	U	
8260C	CHLOROMETHANE	74-87-3	UG_L	1	U	
8260C	CIS-1,2-DICHLOROETHENE	156-59-2	UG_L	0.5	U	
8260C	CIS-1,3-DICHLOROPROPENE	10061-01-5	UG_L	0.5	U	
8260C	CYCLOHEXANE	110-82-7	UG_L	0.5	U	
8260C	DIBROMOCHLOROMETHANE	124-48-1	UG_L	0.5	U	
8260C	DICHLORODIFLUOROMETHANE	75-71-8	UG_L	1	U	
8260C	ETHYLBENZENE	100-41-4	UG_L	0.5	U	
8260C	ISOPROPYLBENZENE	98-82-8	UG_L	0.5	U	
8260C	M- AND P-XYLENE	108-38-3/106-42	UG_L	1	U	
8260C	METHYL ACETATE	79-20-9	UG_L	0.75	U	
8260C	METHYL CYCLOHEXANE	108-87-2	UG_L	0.5	U	
8260C	METHYL TERT-BUTYL ETHER	1634-04-4	UG_L	0.5	U	
8260C	METHYLENE CHLORIDE	75-09-2	UG_L	2.5	U	
8260C	O-XYLENE	95-47-6	UG_L	0.5	U	
8260C	STYRENE	100-42-5	UG_L	0.5	U	
8260C	TETRACHLOROETHENE	127-18-4	UG_L	0.5	UJ	C
8260C	TOLUENE	108-88-3	UG_L	0.5	U	
8260C	TRANS-1,2-DICHLOROETHENE	156-60-5	UG_L	0.5	U	
8260C	TRANS-1,3-DICHLOROPROPENE	10061-02-6	UG_L	0.5	U	
8260C	TRICHLOROETHENE	79-01-6	UG_L	0.5	U	
8260C	TRICHLOROFUOROMETHANE	75-69-4	UG_L	1	U	
8260C	VINYL CHLORIDE	75-01-4	UG_L	1	U	
8260C	XYLENES, TOTAL	1330-20-7	UG_L	1.5	U	

*Notes:*

- UG\_L = Micrograms per liter
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- RC = Reason codes (See Attachment C)

Final Results after Data Review  
NWIRP Bethpage OU 2 Regional Groundwater Investigation

Sample Delivery Group				TI0291		
Lab ID				TI0291-5		
Sample ID				VPB163-GWD-122115		
Sample Date				12/21/2015		
Sample Type				Field Duplicate		
Method	Analyte	CAS No	Units	Result	Qual	RC
8260C	1,1,1-TRICHLOROETHANE	71-55-6	UG_L	0.5	U	
8260C	1,1,2,2-TETRACHLOROETHANE	79-34-5	UG_L	0.5	U	
8260C	1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	76-13-1	UG_L	0.5	U	
8260C	1,1,2-TRICHLOROETHANE	79-00-5	UG_L	0.5	U	
8260C	1,1-DICHLOROETHANE	75-34-3	UG_L	0.5	U	
8260C	1,1-DICHLOROETHENE	75-35-4	UG_L	0.5	U	
8260C	1,2,4-TRICHLOROBENZENE	120-82-1	UG_L	0.5	U	
8260C	1,2-DIBROMO-3-CHLOROPROPANE	96-12-8	UG_L	0.75	U	
8260C	1,2-DIBROMOETHANE	106-93-4	UG_L	0.5	U	
8260C	1,2-DICHLOROBENZENE	95-50-1	UG_L	0.5	U	
8260C	1,2-DICHLOROETHANE	107-06-2	UG_L	0.5	U	
8260C	1,2-DICHLOROETHENE, TOTAL	540-59-0	UG_L	1	U	
8260C	1,2-DICHLOROPROPANE	78-87-5	UG_L	0.5	U	
8260C	1,3-DICHLOROBENZENE	541-73-1	UG_L	0.5	U	
8260C	1,4-DICHLOROBENZENE	106-46-7	UG_L	0.5	U	
8260C	2-BUTANONE	78-93-3	UG_L	2.5	U	
8260C	2-HEXANONE	591-78-6	UG_L	2.5	U	
8260C	4-METHYL-2-PENTANONE	108-10-1	UG_L	2.5	UJ	C
8260C	ACETONE	67-64-1	UG_L	5		
8260C	BENZENE	71-43-2	UG_L	0.5	U	
8260C	BROMODICHLOROMETHANE	75-27-4	UG_L	0.5	U	
8260C	BROMOFORM	75-25-2	UG_L	0.5	U	
8260C	BROMOMETHANE	74-83-9	UG_L	1	U	
8260C	CARBON DISULFIDE	75-15-0	UG_L	0.5	U	
8260C	CARBON TETRACHLORIDE	56-23-5	UG_L	0.5	U	
8260C	CHLOROBENZENE	108-90-7	UG_L	0.5	U	
8260C	CHLOROETHANE	75-00-3	UG_L	1	UJ	C
8260C	CHLOROFORM	67-66-3	UG_L	0.5	U	
8260C	CHLOROMETHANE	74-87-3	UG_L	1	U	
8260C	CIS-1,2-DICHLOROETHENE	156-59-2	UG_L	0.5	U	
8260C	CIS-1,3-DICHLOROPROPENE	10061-01-5	UG_L	0.5	U	
8260C	CYCLOHEXANE	110-82-7	UG_L	0.5	U	
8260C	DIBROMOCHLOROMETHANE	124-48-1	UG_L	0.5	U	
8260C	DICHLORODIFLUOROMETHANE	75-71-8	UG_L	1	U	
8260C	ETHYLBENZENE	100-41-4	UG_L	0.5	U	
8260C	ISOPROPYLBENZENE	98-82-8	UG_L	0.5	U	
8260C	M- AND P-XYLENE	108-38-3/106-42	UG_L	1	U	
8260C	METHYL ACETATE	79-20-9	UG_L	0.75	U	
8260C	METHYL CYCLOHEXANE	108-87-2	UG_L	0.5	U	
8260C	METHYL TERT-BUTYL ETHER	1634-04-4	UG_L	0.5	U	
8260C	METHYLENE CHLORIDE	75-09-2	UG_L	2.5	U	
8260C	O-XYLENE	95-47-6	UG_L	0.5	U	
8260C	STYRENE	100-42-5	UG_L	0.5	U	
8260C	TETRACHLOROETHENE	127-18-4	UG_L	0.5	UJ	C
8260C	TOLUENE	108-88-3	UG_L	0.5	U	
8260C	TRANS-1,2-DICHLOROETHENE	156-60-5	UG_L	0.5	U	
8260C	TRANS-1,3-DICHLOROPROPENE	10061-02-6	UG_L	0.5	U	
8260C	TRICHLOROETHENE	79-01-6	UG_L	0.5	U	
8260C	TRICHLOROFUOROMETHANE	75-69-4	UG_L	1	U	
8260C	VINYL CHLORIDE	75-01-4	UG_L	1	U	
8260C	XYLENES, TOTAL	1330-20-7	UG_L	1.5	U	

*Notes:*

- UG\_L = Micrograms per liter  
 Qual = Final qualifiers (See Attachment B)  
 RC = Reason codes (See Attachment C)

Final Results after Data Review  
NWIRP Bethpage OU 2 Regional Groundwater Investigation

Sample Delivery Group				TI0291		
Lab ID				TI0291-6		
Sample ID				VPB163-122115-218-220		
Sample Date				12/21/2015		
Sample Type				Groundwater		
Method	Analyte	CAS No	Units	Result	Qual	RC
8260C	1,1,1-TRICHLOROETHANE	71-55-6	UG_L	0.5	UJ	mc
8260C	1,1,2,2-TETRACHLOROETHANE	79-34-5	UG_L	0.5	UJ	mc
8260C	1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	76-13-1	UG_L	0.5	UJ	mc
8260C	1,1,2-TRICHLOROETHANE	79-00-5	UG_L	0.5	UJ	mc
8260C	1,1-DICHLOROETHANE	75-34-3	UG_L	0.5	UJ	mc
8260C	1,1-DICHLOROETHENE	75-35-4	UG_L	0.5	UJ	mc
8260C	1,2,4-TRICHLOROBENZENE	120-82-1	UG_L	0.5	UJ	mc
8260C	1,2-DIBROMO-3-CHLOROPROPANE	96-12-8	UG_L	0.75	UJ	mc
8260C	1,2-DIBROMOETHANE	106-93-4	UG_L	0.5	UJ	mc
8260C	1,2-DICHLOROBENZENE	95-50-1	UG_L	0.5	UJ	mc
8260C	1,2-DICHLOROETHANE	107-06-2	UG_L	0.5	UJ	mc
8260C	1,2-DICHLOROETHENE, TOTAL	540-59-0	UG_L	1	UJ	mc
8260C	1,2-DICHLOROPROPANE	78-87-5	UG_L	0.5	UJ	mc
8260C	1,3-DICHLOROBENZENE	541-73-1	UG_L	0.5	UJ	mc
8260C	1,4-DICHLOROBENZENE	106-46-7	UG_L	0.5	UJ	mc
8260C	2-BUTANONE	78-93-3	UG_L	2.5	UJ	mc
8260C	2-HEXANONE	591-78-6	UG_L	2.5	UJ	mc
8260C	4-METHYL-2-PENTANONE	108-10-1	UG_L	2.5	UJ	mc,c
8260C	ACETONE	67-64-1	UG_L	5.1	J	mc
8260C	BENZENE	71-43-2	UG_L	0.5	UJ	mc
8260C	BROMODICHLOROMETHANE	75-27-4	UG_L	0.5	UJ	mc
8260C	BROMOFORM	75-25-2	UG_L	0.5	UJ	mc
8260C	BROMOMETHANE	74-83-9	UG_L	1	UJ	mc
8260C	CARBON DISULFIDE	75-15-0	UG_L	0.5	UJ	mc
8260C	CARBON TETRACHLORIDE	56-23-5	UG_L	0.5	UJ	mc
8260C	CHLOROBENZENE	108-90-7	UG_L	0.5	UJ	mc
8260C	CHLOROETHANE	75-00-3	UG_L	1	UJ	mc,c
8260C	CHLOROFORM	67-66-3	UG_L	0.5	UJ	mc
8260C	CHLOROMETHANE	74-87-3	UG_L	1	UJ	mc
8260C	CIS-1,2-DICHLOROETHENE	156-59-2	UG_L	0.5	UJ	mc
8260C	CIS-1,3-DICHLOROPROPENE	10061-01-5	UG_L	0.5	UJ	mc
8260C	CYCLOHEXANE	110-82-7	UG_L	0.5	UJ	mc
8260C	DIBROMOCHLOROMETHANE	124-48-1	UG_L	0.5	UJ	mc
8260C	DICHLORODIFLUOROMETHANE	75-71-8	UG_L	1	UJ	mc
8260C	ETHYLBENZENE	100-41-4	UG_L	0.5	UJ	mc
8260C	ISOPROPYLBENZENE	98-82-8	UG_L	0.5	UJ	mc
8260C	M- AND P-XYLENE	108-38-3/106-42	UG_L	1	UJ	mc
8260C	METHYL ACETATE	79-20-9	UG_L	0.75	UJ	mc
8260C	METHYL CYCLOHEXANE	108-87-2	UG_L	0.5	UJ	mc
8260C	METHYL TERT-BUTYL ETHER	1634-04-4	UG_L	0.5	UJ	mc
8260C	METHYLENE CHLORIDE	75-09-2	UG_L	2.5	UJ	mc
8260C	O-XYLENE	95-47-6	UG_L	0.5	UJ	mc
8260C	STYRENE	100-42-5	UG_L	0.5	UJ	mc
8260C	TETRACHLOROETHENE	127-18-4	UG_L	0.5	UJ	mc,c
8260C	TOLUENE	108-88-3	UG_L	0.5	UJ	mc
8260C	TRANS-1,2-DICHLOROETHENE	156-60-5	UG_L	0.5	UJ	mc
8260C	TRANS-1,3-DICHLOROPROPENE	10061-02-6	UG_L	0.5	UJ	mc
8260C	TRICHLOROETHENE	79-01-6	UG_L	0.5	UJ	mc
8260C	TRICHLOROFUOROMETHANE	75-69-4	UG_L	1	UJ	mc
8260C	VINYL CHLORIDE	75-01-4	UG_L	1	UJ	mc
8260C	XYLENES, TOTAL	1330-20-7	UG_L	1.5	UJ	mc

*Notes:*

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Final Results after Data Review  
NWIRP Bethpage OU 2 Regional Groundwater Investigation

Sample Delivery Group				TI0383		
Lab ID				TI0383-2		
Sample ID				VPB163-GW-122215-238-240		
Sample Date				12/22/2015		
Sample Type				Groundwater		
Method	Analyte	CAS No	Units	Result	Qual	RC
8260C	1,1,1-TRICHLOROETHANE	71-55-6	UG_L	0.5	UJ	mc
8260C	1,1,2,2-TETRACHLOROETHANE	79-34-5	UG_L	0.5	UJ	mc
8260C	1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	76-13-1	UG_L	0.5	UJ	mc
8260C	1,1,2-TRICHLOROETHANE	79-00-5	UG_L	0.5	UJ	mc
8260C	1,1-DICHLOROETHANE	75-34-3	UG_L	0.5	UJ	mc
8260C	1,1-DICHLOROETHENE	75-35-4	UG_L	0.5	UJ	mc
8260C	1,2,4-TRICHLOROBENZENE	120-82-1	UG_L	0.5	UJ	mc
8260C	1,2-DIBROMO-3-CHLOROPROPANE	96-12-8	UG_L	0.75	UJ	mc
8260C	1,2-DIBROMOETHANE	106-93-4	UG_L	0.5	UJ	mc
8260C	1,2-DICHLOROBENZENE	95-50-1	UG_L	0.5	UJ	mc
8260C	1,2-DICHLOROETHANE	107-06-2	UG_L	0.5	UJ	mc
8260C	1,2-DICHLOROETHENE, TOTAL	540-59-0	UG_L	1	UJ	mc
8260C	1,2-DICHLOROPROPANE	78-87-5	UG_L	0.5	UJ	mc
8260C	1,3-DICHLOROBENZENE	541-73-1	UG_L	0.5	UJ	mc
8260C	1,4-DICHLOROBENZENE	106-46-7	UG_L	0.5	UJ	mc
8260C	2-BUTANONE	78-93-3	UG_L	2.5	UJ	mc
8260C	2-HEXANONE	591-78-6	UG_L	2.5	UJ	mc
8260C	4-METHYL-2-PENTANONE	108-10-1	UG_L	2.5	UJ	mc
8260C	ACETONE	67-64-1	UG_L	5.6	J	mc,c
8260C	BENZENE	71-43-2	UG_L	0.5	UJ	mc
8260C	BROMODICHLOROMETHANE	75-27-4	UG_L	0.5	UJ	mc
8260C	BROMOFORM	75-25-2	UG_L	0.5	UJ	mc
8260C	BROMOMETHANE	74-83-9	UG_L	1	UJ	mc
8260C	CARBON DISULFIDE	75-15-0	UG_L	0.5	UJ	mc
8260C	CARBON TETRACHLORIDE	56-23-5	UG_L	0.5	UJ	mc
8260C	CHLOROBENZENE	108-90-7	UG_L	0.5	UJ	mc
8260C	CHLOROETHANE	75-00-3	UG_L	1	UJ	mc
8260C	CHLOROFORM	67-66-3	UG_L	0.5	UJ	mc
8260C	CHLOROMETHANE	74-87-3	UG_L	1	UJ	mc
8260C	CIS-1,2-DICHLOROETHENE	156-59-2	UG_L	0.5	UJ	mc
8260C	CIS-1,3-DICHLOROPROPENE	10061-01-5	UG_L	0.5	UJ	mc
8260C	CYCLOHEXANE	110-82-7	UG_L	0.5	UJ	mc
8260C	DIBROMOCHLOROMETHANE	124-48-1	UG_L	0.5	UJ	mc
8260C	DICHLORODIFLUOROMETHANE	75-71-8	UG_L	1	UJ	mc
8260C	ETHYLBENZENE	100-41-4	UG_L	0.5	UJ	mc
8260C	ISOPROPYLBENZENE	98-82-8	UG_L	0.5	UJ	mc
8260C	M- AND P-XYLENE	108-38-3/106-42	UG_L	1	UJ	mc
8260C	METHYL ACETATE	79-20-9	UG_L	0.75	UJ	mc
8260C	METHYL CYCLOHEXANE	108-87-2	UG_L	0.5	UJ	mc
8260C	METHYL TERT-BUTYL ETHER	1634-04-4	UG_L	0.5	UJ	mc
8260C	METHYLENE CHLORIDE	75-09-2	UG_L	2.5	UJ	mc
8260C	O-XYLENE	95-47-6	UG_L	0.5	UJ	mc
8260C	STYRENE	100-42-5	UG_L	0.5	UJ	mc
8260C	TETRACHLOROETHENE	127-18-4	UG_L	0.5	UJ	mc
8260C	TOLUENE	108-88-3	UG_L	0.5	UJ	mc
8260C	TRANS-1,2-DICHLOROETHENE	156-60-5	UG_L	0.5	UJ	mc
8260C	TRANS-1,3-DICHLOROPROPENE	10061-02-6	UG_L	0.5	UJ	mc
8260C	TRICHLOROETHENE	79-01-6	UG_L	0.5	UJ	mc
8260C	TRICHLOROFUOROMETHANE	75-69-4	UG_L	1	UJ	mc
8260C	VINYL CHLORIDE	75-01-4	UG_L	1	UJ	mc
8260C	XYLENES, TOTAL	1330-20-7	UG_L	1.5	UJ	mc

*Notes:*

- UG\_L = Micrograms per liter  
 Qual = Final qualifiers (See Attachment B)  
 RC = Reason codes (See Attachment C)

Final Results after Data Review  
NWIRP Bethpage OU 2 Regional Groundwater Investigation

Sample Delivery Group				TI0383		
Lab ID				TI0383-3		
Sample ID				VPB163-GW-122215-258-260		
Sample Date				12/22/2015		
Sample Type				Groundwater		
Method	Analyte	CAS No	Units	Result	Qual	RC
8260C	1,1,1-TRICHLOROETHANE	71-55-6	UG_L	0.5	U	
8260C	1,1,2,2-TETRACHLOROETHANE	79-34-5	UG_L	0.5	U	
8260C	1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	76-13-1	UG_L	0.5	U	
8260C	1,1,2-TRICHLOROETHANE	79-00-5	UG_L	0.5	U	
8260C	1,1-DICHLOROETHANE	75-34-3	UG_L	0.5	U	
8260C	1,1-DICHLOROETHENE	75-35-4	UG_L	0.5	U	
8260C	1,2,4-TRICHLOROBENZENE	120-82-1	UG_L	0.5	U	
8260C	1,2-DIBROMO-3-CHLOROPROPANE	96-12-8	UG_L	0.75	U	
8260C	1,2-DIBROMOETHANE	106-93-4	UG_L	0.5	U	
8260C	1,2-DICHLOROBENZENE	95-50-1	UG_L	0.5	U	
8260C	1,2-DICHLOROETHANE	107-06-2	UG_L	0.5	U	
8260C	1,2-DICHLOROETHENE, TOTAL	540-59-0	UG_L	1	U	
8260C	1,2-DICHLOROPROPANE	78-87-5	UG_L	0.5	U	
8260C	1,3-DICHLOROBENZENE	541-73-1	UG_L	0.5	U	
8260C	1,4-DICHLOROBENZENE	106-46-7	UG_L	0.5	U	
8260C	2-BUTANONE	78-93-3	UG_L	2.5	U	
8260C	2-HEXANONE	591-78-6	UG_L	2.5	U	
8260C	4-METHYL-2-PENTANONE	108-10-1	UG_L	2.5	U	
8260C	ACETONE	67-64-1	UG_L	2.5	UJ	c
8260C	BENZENE	71-43-2	UG_L	0.5	U	
8260C	BROMODICHLOROMETHANE	75-27-4	UG_L	0.5	U	
8260C	BROMOFORM	75-25-2	UG_L	0.5	U	
8260C	BROMOMETHANE	74-83-9	UG_L	1	U	
8260C	CARBON DISULFIDE	75-15-0	UG_L	0.5	U	
8260C	CARBON TETRACHLORIDE	56-23-5	UG_L	0.5	U	
8260C	CHLOROBENZENE	108-90-7	UG_L	0.5	U	
8260C	CHLOROETHANE	75-00-3	UG_L	1	U	
8260C	CHLOROFORM	67-66-3	UG_L	0.5	U	
8260C	CHLOROMETHANE	74-87-3	UG_L	1	U	
8260C	CIS-1,2-DICHLOROETHENE	156-59-2	UG_L	0.5	U	
8260C	CIS-1,3-DICHLOROPROPENE	10061-01-5	UG_L	0.5	U	
8260C	CYCLOHEXANE	110-82-7	UG_L	0.5	U	
8260C	DIBROMOCHLOROMETHANE	124-48-1	UG_L	0.5	U	
8260C	DICHLORODIFLUOROMETHANE	75-71-8	UG_L	1	U	
8260C	ETHYLBENZENE	100-41-4	UG_L	0.5	U	
8260C	ISOPROPYLBENZENE	98-82-8	UG_L	0.5	U	
8260C	M- AND P-XYLENE	108-38-3/106-42	UG_L	1	U	
8260C	METHYL ACETATE	79-20-9	UG_L	0.75	U	
8260C	METHYL CYCLOHEXANE	108-87-2	UG_L	0.5	U	
8260C	METHYL TERT-BUTYL ETHER	1634-04-4	UG_L	0.5	U	
8260C	METHYLENE CHLORIDE	75-09-2	UG_L	2.5	U	
8260C	O-XYLENE	95-47-6	UG_L	0.5	U	
8260C	STYRENE	100-42-5	UG_L	0.5	U	
8260C	TETRACHLOROETHENE	127-18-4	UG_L	0.5	U	
8260C	TOLUENE	108-88-3	UG_L	0.5	U	
8260C	TRANS-1,2-DICHLOROETHENE	156-60-5	UG_L	0.5	U	
8260C	TRANS-1,3-DICHLOROPROPENE	10061-02-6	UG_L	0.5	U	
8260C	TRICHLOROETHENE	79-01-6	UG_L	0.5	U	
8260C	TRICHLOROFUOROMETHANE	75-69-4	UG_L	1	U	
8260C	VINYL CHLORIDE	75-01-4	UG_L	1	U	
8260C	XYLENES, TOTAL	1330-20-7	UG_L	1.5	U	

*Notes:*

- UG\_L = Micrograms per liter
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- RC = Reason codes (See Attachment C)

Final Results after Data Review  
NWIRP Bethpage OU 2 Regional Groundwater Investigation

Sample Delivery Group				TI0459		
Lab ID				TI0459-1DL		
Sample ID				VPB163-GW-122915-338-340		
Sample Date				12/29/2015		
Sample Type				Groundwater		
Method	Analyte	CAS No	Units	Result	Qual	RC
8260C	1,1,1-TRICHLOROETHANE	71-55-6	UG_L	1.7	UJ	mc
8260C	1,1,2,2-TETRACHLOROETHANE	79-34-5	UG_L	1.7	UJ	mc
8260C	1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	76-13-1	UG_L	1.7	UJ	mc
8260C	1,1,2-TRICHLOROETHANE	79-00-5	UG_L	1.7	UJ	mc
8260C	1,1-DICHLOROETHANE	75-34-3	UG_L	1.7	UJ	mc
8260C	1,1-DICHLOROETHENE	75-35-4	UG_L	1.7	UJ	mc,c
8260C	1,2,4-TRICHLOROBENZENE	120-82-1	UG_L	1.7	UJ	mc
8260C	1,2-DIBROMO-3-CHLOROPROPANE	96-12-8	UG_L	2.5	UJ	mc
8260C	1,2-DIBROMOETHANE	106-93-4	UG_L	1.7	UJ	mc
8260C	1,2-DICHLOROBENZENE	95-50-1	UG_L	1.7	UJ	mc
8260C	1,2-DICHLOROETHANE	107-06-2	UG_L	1.7	UJ	mc
8260C	1,2-DICHLOROETHENE, TOTAL	540-59-0	UG_L	3.3	UJ	mc
8260C	1,2-DICHLOROPROPANE	78-87-5	UG_L	1.7	UJ	mc
8260C	1,3-DICHLOROBENZENE	541-73-1	UG_L	1.7	UJ	mc
8260C	1,4-DICHLOROBENZENE	106-46-7	UG_L	1.7	UJ	mc
8260C	2-BUTANONE	78-93-3	UG_L	8.3	UJ	mc
8260C	2-HEXANONE	591-78-6	UG_L	8.3	UJ	mc
8260C	4-METHYL-2-PENTANONE	108-10-1	UG_L	8.3	UJ	mc
8260C	ACETONE	67-64-1	UG_L	8.1	J	mc,c
8260C	BENZENE	71-43-2	UG_L	1.7	UJ	mc
8260C	BROMODICHLOROMETHANE	75-27-4	UG_L	1.7	UJ	mc
8260C	BROMOFORM	75-25-2	UG_L	1.7	UJ	mc
8260C	BROMOMETHANE	74-83-9	UG_L	3.3	UJ	mc
8260C	CARBON DISULFIDE	75-15-0	UG_L	1.7	UJ	mc,c
8260C	CARBON TETRACHLORIDE	56-23-5	UG_L	1.7	UJ	mc
8260C	CHLOROBENZENE	108-90-7	UG_L	1.7	UJ	mc
8260C	CHLOROETHANE	75-00-3	UG_L	3.3	UJ	mc,c
8260C	CHLOROFORM	67-66-3	UG_L	1.7	UJ	mc
8260C	CHLOROMETHANE	74-87-3	UG_L	3.3	UJ	mc,c
8260C	CIS-1,2-DICHLOROETHENE	156-59-2	UG_L	1.7	UJ	mc
8260C	CIS-1,3-DICHLOROPROPENE	10061-01-5	UG_L	1.7	UJ	mc
8260C	CYCLOHEXANE	110-82-7	UG_L	1.7	UJ	mc
8260C	DIBROMOCHLOROMETHANE	124-48-1	UG_L	1.7	UJ	mc
8260C	DICHLORODIFLUOROMETHANE	75-71-8	UG_L	3.3	UJ	mc,c
8260C	ETHYLBENZENE	100-41-4	UG_L	1.7	UJ	mc
8260C	ISOPROPYLBENZENE	98-82-8	UG_L	1.7	UJ	mc
8260C	M- AND P-XYLENE	108-38-3/106-42	UG_L	3.3	UJ	mc
8260C	METHYL ACETATE	79-20-9	UG_L	2.5	UJ	mc
8260C	METHYL CYCLOHEXANE	108-87-2	UG_L	1.7	UJ	mc
8260C	METHYL TERT-BUTYL ETHER	1634-04-4	UG_L	1.7	UJ	mc
8260C	METHYLENE CHLORIDE	75-09-2	UG_L	8.3	UJ	mc
8260C	O-XYLENE	95-47-6	UG_L	1.7	UJ	mc
8260C	STYRENE	100-42-5	UG_L	1.7	UJ	mc
8260C	TETRACHLOROETHENE	127-18-4	UG_L	1.7	UJ	mc,c
8260C	TOLUENE	108-88-3	UG_L	1.7	UJ	mc
8260C	TRANS-1,2-DICHLOROETHENE	156-60-5	UG_L	1.7	UJ	mc
8260C	TRANS-1,3-DICHLOROPROPENE	10061-02-6	UG_L	1.7	UJ	mc
8260C	TRICHLOROETHENE	79-01-6	UG_L	1.7	UJ	mc
8260C	TRICHLOROFUOROMETHANE	75-69-4	UG_L	3.3	UJ	mc
8260C	VINYL CHLORIDE	75-01-4	UG_L	3.3	UJ	mc,c
8260C	XYLENES, TOTAL	1330-20-7	UG_L	5	UJ	mc

*Notes:*

- UG\_L = Micrograms per liter  
 Qual = Final qualifiers (See Attachment B)  
 RC = Reason codes (See Attachment C)

Final Results after Data Review  
NWIRP Bethpage OU 2 Regional Groundwater Investigation

Sample Delivery Group				TI0459		
Lab ID				TI0459-2DL		
Sample ID				VPB163-GW-122915-358-360		
Sample Date				12/29/2015		
Sample Type				Groundwater		
Method	Analyte	CAS No	Units	Result	Qual	RC
8260C	1,1,1-TRICHLOROETHANE	71-55-6	UG_L	1.2	UJ	mc
8260C	1,1,2,2-TETRACHLOROETHANE	79-34-5	UG_L	1.2	UJ	mc
8260C	1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	76-13-1	UG_L	1.2	UJ	mc
8260C	1,1,2-TRICHLOROETHANE	79-00-5	UG_L	1.2	UJ	mc
8260C	1,1-DICHLOROETHANE	75-34-3	UG_L	1.2	UJ	mc
8260C	1,1-DICHLOROETHENE	75-35-4	UG_L	1.2	UJ	mc,c
8260C	1,2,4-TRICHLOROBENZENE	120-82-1	UG_L	1.2	UJ	mc
8260C	1,2-DIBROMO-3-CHLOROPROPANE	96-12-8	UG_L	1.9	UJ	mc
8260C	1,2-DIBROMOETHANE	106-93-4	UG_L	1.2	UJ	mc
8260C	1,2-DICHLOROBENZENE	95-50-1	UG_L	1.2	UJ	mc
8260C	1,2-DICHLOROETHANE	107-06-2	UG_L	1.2	UJ	mc
8260C	1,2-DICHLOROETHENE, TOTAL	540-59-0	UG_L	2.5	UJ	mc
8260C	1,2-DICHLOROPROPANE	78-87-5	UG_L	1.2	UJ	mc
8260C	1,3-DICHLOROBENZENE	541-73-1	UG_L	1.2	UJ	mc
8260C	1,4-DICHLOROBENZENE	106-46-7	UG_L	1.2	UJ	mc
8260C	2-BUTANONE	78-93-3	UG_L	6.2	UJ	mc
8260C	2-HEXANONE	591-78-6	UG_L	6.2	UJ	mc
8260C	4-METHYL-2-PENTANONE	108-10-1	UG_L	6.2	UJ	mc
8260C	ACETONE	67-64-1	UG_L	6	J	mc,c
8260C	BENZENE	71-43-2	UG_L	1.2	UJ	mc
8260C	BROMODICHLOROMETHANE	75-27-4	UG_L	1.2	UJ	mc
8260C	BROMOFORM	75-25-2	UG_L	1.2	UJ	mc
8260C	BROMOMETHANE	74-83-9	UG_L	2.5	UJ	mc
8260C	CARBON DISULFIDE	75-15-0	UG_L	1.2	UJ	mc,c
8260C	CARBON TETRACHLORIDE	56-23-5	UG_L	1.2	UJ	mc
8260C	CHLOROBENZENE	108-90-7	UG_L	1.2	UJ	mc
8260C	CHLOROETHANE	75-00-3	UG_L	2.5	UJ	mc,c
8260C	CHLOROFORM	67-66-3	UG_L	1.2	UJ	mc
8260C	CHLOROMETHANE	74-87-3	UG_L	2.5	UJ	mc,c
8260C	CIS-1,2-DICHLOROETHENE	156-59-2	UG_L	1.2	UJ	mc
8260C	CIS-1,3-DICHLOROPROPENE	10061-01-5	UG_L	1.2	UJ	mc
8260C	CYCLOHEXANE	110-82-7	UG_L	1.2	UJ	mc
8260C	DIBROMOCHLOROMETHANE	124-48-1	UG_L	1.2	UJ	mc
8260C	DICHLORODIFLUOROMETHANE	75-71-8	UG_L	2.5	UJ	mc,c
8260C	ETHYLBENZENE	100-41-4	UG_L	1.2	UJ	mc
8260C	ISOPROPYLBENZENE	98-82-8	UG_L	1.2	UJ	mc
8260C	M- AND P-XYLENE	108-38-3/106-42	UG_L	2.5	UJ	mc
8260C	METHYL ACETATE	79-20-9	UG_L	1.9	UJ	mc
8260C	METHYL CYCLOHEXANE	108-87-2	UG_L	1.2	UJ	mc
8260C	METHYL TERT-BUTYL ETHER	1634-04-4	UG_L	1.2	UJ	mc
8260C	METHYLENE CHLORIDE	75-09-2	UG_L	6.2	UJ	mc
8260C	O-XYLENE	95-47-6	UG_L	1.2	UJ	mc
8260C	STYRENE	100-42-5	UG_L	1.2	UJ	mc
8260C	TETRACHLOROETHENE	127-18-4	UG_L	1.2	UJ	mc,c
8260C	TOLUENE	108-88-3	UG_L	1.2	UJ	mc
8260C	TRANS-1,2-DICHLOROETHENE	156-60-5	UG_L	1.2	UJ	mc
8260C	TRANS-1,3-DICHLOROPROPENE	10061-02-6	UG_L	1.2	UJ	mc
8260C	TRICHLOROETHENE	79-01-6	UG_L	1.2	UJ	mc
8260C	TRICHLOROFUOROMETHANE	75-69-4	UG_L	2.5	UJ	mc
8260C	VINYL CHLORIDE	75-01-4	UG_L	2.5	UJ	mc,c
8260C	XYLENES, TOTAL	1330-20-7	UG_L	3.8	UJ	mc

*Notes:*

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 Qual = Final qualifiers (See Attachment B)  
 RC = Reason codes (See Attachment C)

Final Results after Data Review  
NWIRP Bethpage OU 2 Regional Groundwater Investigation

Sample Delivery Group				TI0459		
Lab ID				TI0459-3		
Sample ID				VPB163-GW-122915-378-380		
Sample Date				12/29/2015		
Sample Type				Groundwater		
Method	Analyte	CAS No	Units	Result	Qual	RC
8260C	1,1,1-TRICHLOROETHANE	71-55-6	UG_L	0.5	U	
8260C	1,1,2,2-TETRACHLOROETHANE	79-34-5	UG_L	0.5	U	
8260C	1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	76-13-1	UG_L	0.5	U	
8260C	1,1,2-TRICHLOROETHANE	79-00-5	UG_L	0.5	U	
8260C	1,1-DICHLOROETHANE	75-34-3	UG_L	0.5	U	
8260C	1,1-DICHLOROETHENE	75-35-4	UG_L	0.5	UJ	c
8260C	1,2,4-TRICHLOROBENZENE	120-82-1	UG_L	0.5	U	
8260C	1,2-DIBROMO-3-CHLOROPROPANE	96-12-8	UG_L	0.75	U	
8260C	1,2-DIBROMOETHANE	106-93-4	UG_L	0.5	U	
8260C	1,2-DICHLOROBENZENE	95-50-1	UG_L	0.5	U	
8260C	1,2-DICHLOROETHANE	107-06-2	UG_L	0.5	U	
8260C	1,2-DICHLOROETHENE, TOTAL	540-59-0	UG_L	1	U	
8260C	1,2-DICHLOROPROPANE	78-87-5	UG_L	0.5	U	
8260C	1,3-DICHLOROBENZENE	541-73-1	UG_L	0.5	U	
8260C	1,4-DICHLOROBENZENE	106-46-7	UG_L	0.5	U	
8260C	2-BUTANONE	78-93-3	UG_L	2.5	U	
8260C	2-HEXANONE	591-78-6	UG_L	2.5	U	
8260C	4-METHYL-2-PENTANONE	108-10-1	UG_L	2.5	U	
8260C	ACETONE	67-64-1	UG_L	2.5	UJ	c
8260C	BENZENE	71-43-2	UG_L	0.5	U	
8260C	BROMODICHLOROMETHANE	75-27-4	UG_L	0.5	U	
8260C	BROMOFORM	75-25-2	UG_L	0.5	U	
8260C	BROMOMETHANE	74-83-9	UG_L	1	U	
8260C	CARBON DISULFIDE	75-15-0	UG_L	0.5	UJ	c
8260C	CARBON TETRACHLORIDE	56-23-5	UG_L	0.5	U	
8260C	CHLOROBENZENE	108-90-7	UG_L	0.5	U	
8260C	CHLOROETHANE	75-00-3	UG_L	1	UJ	c
8260C	CHLOROFORM	67-66-3	UG_L	0.5	U	
8260C	CHLOROMETHANE	74-87-3	UG_L	1	UJ	c
8260C	CIS-1,2-DICHLOROETHENE	156-59-2	UG_L	0.5	U	
8260C	CIS-1,3-DICHLOROPROPENE	10061-01-5	UG_L	0.5	U	
8260C	CYCLOHEXANE	110-82-7	UG_L	0.5	U	
8260C	DIBROMOCHLOROMETHANE	124-48-1	UG_L	0.5	U	
8260C	DICHLORODIFLUOROMETHANE	75-71-8	UG_L	1	UJ	c
8260C	ETHYLBENZENE	100-41-4	UG_L	0.5	U	
8260C	ISOPROPYLBENZENE	98-82-8	UG_L	0.5	U	
8260C	M- AND P-XYLENE	108-38-3/106-42	UG_L	1	U	
8260C	METHYL ACETATE	79-20-9	UG_L	0.75	U	
8260C	METHYL CYCLOHEXANE	108-87-2	UG_L	0.5	U	
8260C	METHYL TERT-BUTYL ETHER	1634-04-4	UG_L	0.5	U	
8260C	METHYLENE CHLORIDE	75-09-2	UG_L	2.5	U	
8260C	O-XYLENE	95-47-6	UG_L	0.5	U	
8260C	STYRENE	100-42-5	UG_L	0.5	U	
8260C	TETRACHLOROETHENE	127-18-4	UG_L	0.5	UJ	c
8260C	TOLUENE	108-88-3	UG_L	0.5	U	
8260C	TRANS-1,2-DICHLOROETHENE	156-60-5	UG_L	0.5	U	
8260C	TRANS-1,3-DICHLOROPROPENE	10061-02-6	UG_L	0.5	U	
8260C	TRICHLOROETHENE	79-01-6	UG_L	0.5	U	
8260C	TRICHLOROFUOROMETHANE	75-69-4	UG_L	1	U	
8260C	VINYL CHLORIDE	75-01-4	UG_L	1	UJ	c
8260C	XYLENES, TOTAL	1330-20-7	UG_L	1.5	U	

*Notes:*

- UG\_L = Micrograms per liter
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Final Results after Data Review  
NWIRP Bethpage OU 2 Regional Groundwater Investigation

Sample Delivery Group				TI0459		
Lab ID				TI0459-5		
Sample ID				VPB163-GW-123015-398-400		
Sample Date				12/30/2015		
Sample Type				Groundwater		
Method	Analyte	CAS No	Units	Result	Qual	RC
8260C	1,1,1-TRICHLOROETHANE	71-55-6	UG_L	0.5	U	
8260C	1,1,2,2-TETRACHLOROETHANE	79-34-5	UG_L	0.5	U	
8260C	1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	76-13-1	UG_L	0.5	U	
8260C	1,1,2-TRICHLOROETHANE	79-00-5	UG_L	0.5	U	
8260C	1,1-DICHLOROETHANE	75-34-3	UG_L	0.5	U	
8260C	1,1-DICHLOROETHENE	75-35-4	UG_L	0.5	UJ	c
8260C	1,2,4-TRICHLOROBENZENE	120-82-1	UG_L	0.5	U	
8260C	1,2-DIBROMO-3-CHLOROPROPANE	96-12-8	UG_L	0.75	U	
8260C	1,2-DIBROMOETHANE	106-93-4	UG_L	0.5	U	
8260C	1,2-DICHLOROBENZENE	95-50-1	UG_L	0.5	U	
8260C	1,2-DICHLOROETHANE	107-06-2	UG_L	0.5	U	
8260C	1,2-DICHLOROETHENE, TOTAL	540-59-0	UG_L	1	U	
8260C	1,2-DICHLOROPROPANE	78-87-5	UG_L	0.5	U	
8260C	1,3-DICHLOROBENZENE	541-73-1	UG_L	0.5	U	
8260C	1,4-DICHLOROBENZENE	106-46-7	UG_L	0.5	U	
8260C	2-BUTANONE	78-93-3	UG_L	2.5	U	
8260C	2-HEXANONE	591-78-6	UG_L	2.5	U	
8260C	4-METHYL-2-PENTANONE	108-10-1	UG_L	2.5	U	
8260C	ACETONE	67-64-1	UG_L	2.5	UJ	c
8260C	BENZENE	71-43-2	UG_L	0.5	U	
8260C	BROMODICHLOROMETHANE	75-27-4	UG_L	0.5	U	
8260C	BROMOFORM	75-25-2	UG_L	0.5	U	
8260C	BROMOMETHANE	74-83-9	UG_L	1	U	
8260C	CARBON DISULFIDE	75-15-0	UG_L	0.5	UJ	c
8260C	CARBON TETRACHLORIDE	56-23-5	UG_L	0.5	U	
8260C	CHLOROBENZENE	108-90-7	UG_L	0.5	U	
8260C	CHLOROETHANE	75-00-3	UG_L	1	UJ	c
8260C	CHLOROFORM	67-66-3	UG_L	0.5	U	
8260C	CHLOROMETHANE	74-87-3	UG_L	1	UJ	c
8260C	CIS-1,2-DICHLOROETHENE	156-59-2	UG_L	0.5	U	
8260C	CIS-1,3-DICHLOROPROPENE	10061-01-5	UG_L	0.5	U	
8260C	CYCLOHEXANE	110-82-7	UG_L	0.5	U	
8260C	DIBROMOCHLOROMETHANE	124-48-1	UG_L	0.5	U	
8260C	DICHLORODIFLUOROMETHANE	75-71-8	UG_L	1	UJ	c
8260C	ETHYLBENZENE	100-41-4	UG_L	0.5	U	
8260C	ISOPROPYLBENZENE	98-82-8	UG_L	0.5	U	
8260C	M- AND P-XYLENE	108-38-3/106-42	UG_L	1	U	
8260C	METHYL ACETATE	79-20-9	UG_L	0.75	U	
8260C	METHYL CYCLOHEXANE	108-87-2	UG_L	0.5	U	
8260C	METHYL TERT-BUTYL ETHER	1634-04-4	UG_L	0.5	U	
8260C	METHYLENE CHLORIDE	75-09-2	UG_L	2.5	U	
8260C	O-XYLENE	95-47-6	UG_L	0.5	U	
8260C	STYRENE	100-42-5	UG_L	0.5	U	
8260C	TETRACHLOROETHENE	127-18-4	UG_L	0.5	UJ	c
8260C	TOLUENE	108-88-3	UG_L	0.5	U	
8260C	TRANS-1,2-DICHLOROETHENE	156-60-5	UG_L	0.5	U	
8260C	TRANS-1,3-DICHLOROPROPENE	10061-02-6	UG_L	0.5	U	
8260C	TRICHLOROETHENE	79-01-6	UG_L	0.5	U	
8260C	TRICHLOROFUOROMETHANE	75-69-4	UG_L	1	U	
8260C	VINYL CHLORIDE	75-01-4	UG_L	1	UJ	c
8260C	XYLENES, TOTAL	1330-20-7	UG_L	1.5	U	

*Notes:*

- UG\_L = Micrograms per liter
- Qual = Final qualifiers (See Attachment B)
- RC = Reason codes (See Attachment C)

Final Results after Data Review  
NWIRP Bethpage OU 2 Regional Groundwater Investigation

Sample Delivery Group				TI0459		
Lab ID				TI0459-6		
Sample ID				VPB163-GW-123015-418-420		
Sample Date				12/30/2015		
Sample Type				Groundwater		
Method	Analyte	CAS No	Units	Result	Qual	RC
8260C	1,1,1-TRICHLOROETHANE	71-55-6	UG_L	0.5	U	
8260C	1,1,2,2-TETRACHLOROETHANE	79-34-5	UG_L	0.5	U	
8260C	1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	76-13-1	UG_L	0.5	U	
8260C	1,1,2-TRICHLOROETHANE	79-00-5	UG_L	0.5	U	
8260C	1,1-DICHLOROETHANE	75-34-3	UG_L	0.5	U	
8260C	1,1-DICHLOROETHENE	75-35-4	UG_L	0.5	UJ	c
8260C	1,2,4-TRICHLOROBENZENE	120-82-1	UG_L	0.5	U	
8260C	1,2-DIBROMO-3-CHLOROPROPANE	96-12-8	UG_L	0.75	U	
8260C	1,2-DIBROMOETHANE	106-93-4	UG_L	0.5	U	
8260C	1,2-DICHLOROBENZENE	95-50-1	UG_L	0.5	U	
8260C	1,2-DICHLOROETHANE	107-06-2	UG_L	0.5	U	
8260C	1,2-DICHLOROETHENE, TOTAL	540-59-0	UG_L	1	U	
8260C	1,2-DICHLOROPROPANE	78-87-5	UG_L	0.5	U	
8260C	1,3-DICHLOROBENZENE	541-73-1	UG_L	0.5	U	
8260C	1,4-DICHLOROBENZENE	106-46-7	UG_L	0.5	U	
8260C	2-BUTANONE	78-93-3	UG_L	2.5	U	
8260C	2-HEXANONE	591-78-6	UG_L	2.5	U	
8260C	4-METHYL-2-PENTANONE	108-10-1	UG_L	2.5	U	
8260C	ACETONE	67-64-1	UG_L	2.5	UJ	c
8260C	BENZENE	71-43-2	UG_L	0.5	U	
8260C	BROMODICHLOROMETHANE	75-27-4	UG_L	0.5	U	
8260C	BROMOFORM	75-25-2	UG_L	0.5	U	
8260C	BROMOMETHANE	74-83-9	UG_L	1	U	
8260C	CARBON DISULFIDE	75-15-0	UG_L	0.5	UJ	c
8260C	CARBON TETRACHLORIDE	56-23-5	UG_L	0.5	U	
8260C	CHLOROBENZENE	108-90-7	UG_L	0.5	U	
8260C	CHLOROETHANE	75-00-3	UG_L	1	UJ	c
8260C	CHLOROFORM	67-66-3	UG_L	0.5	U	
8260C	CHLOROMETHANE	74-87-3	UG_L	1	UJ	c
8260C	CIS-1,2-DICHLOROETHENE	156-59-2	UG_L	0.5	U	
8260C	CIS-1,3-DICHLOROPROPENE	10061-01-5	UG_L	0.5	U	
8260C	CYCLOHEXANE	110-82-7	UG_L	0.5	U	
8260C	DIBROMOCHLOROMETHANE	124-48-1	UG_L	0.5	U	
8260C	DICHLORODIFLUOROMETHANE	75-71-8	UG_L	1	UJ	c
8260C	ETHYLBENZENE	100-41-4	UG_L	0.5	U	
8260C	ISOPROPYLBENZENE	98-82-8	UG_L	0.5	U	
8260C	M- AND P-XYLENE	108-38-3/106-42	UG_L	1	U	
8260C	METHYL ACETATE	79-20-9	UG_L	0.75	U	
8260C	METHYL CYCLOHEXANE	108-87-2	UG_L	0.5	U	
8260C	METHYL TERT-BUTYL ETHER	1634-04-4	UG_L	0.5	U	
8260C	METHYLENE CHLORIDE	75-09-2	UG_L	2.5	U	
8260C	O-XYLENE	95-47-6	UG_L	0.5	U	
8260C	STYRENE	100-42-5	UG_L	0.5	U	
8260C	TETRACHLOROETHENE	127-18-4	UG_L	0.5	UJ	c
8260C	TOLUENE	108-88-3	UG_L	0.5	U	
8260C	TRANS-1,2-DICHLOROETHENE	156-60-5	UG_L	0.5	U	
8260C	TRANS-1,3-DICHLOROPROPENE	10061-02-6	UG_L	0.5	U	
8260C	TRICHLOROETHENE	79-01-6	UG_L	0.5	U	
8260C	TRICHLOROFUOROMETHANE	75-69-4	UG_L	1	U	
8260C	VINYL CHLORIDE	75-01-4	UG_L	1	UJ	c
8260C	XYLENES, TOTAL	1330-20-7	UG_L	1.5	U	

*Notes:*

- UG\_L = Micrograms per liter
- Qual = Final qualifiers (See Attachment B)
- RC = Reason codes (See Attachment C)

Final Results after Data Review  
NWIRP Bethpage OU 2 Regional Groundwater Investigation

Sample Delivery Group				TI0459		
Lab ID				TI0459-7		
Sample ID				VPB163-GW-123015-438-440		
Sample Date				12/30/2015		
Sample Type				Groundwater		
Method	Analyte	CAS No	Units	Result	Qual	RC
8260C	1,1,1-TRICHLOROETHANE	71-55-6	UG_L	0.5	U	
8260C	1,1,2,2-TETRACHLOROETHANE	79-34-5	UG_L	0.5	U	
8260C	1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	76-13-1	UG_L	0.5	U	
8260C	1,1,2-TRICHLOROETHANE	79-00-5	UG_L	0.5	U	
8260C	1,1-DICHLOROETHANE	75-34-3	UG_L	0.5	U	
8260C	1,1-DICHLOROETHENE	75-35-4	UG_L	0.5	UJ	c
8260C	1,2,4-TRICHLOROBENZENE	120-82-1	UG_L	0.5	U	
8260C	1,2-DIBROMO-3-CHLOROPROPANE	96-12-8	UG_L	0.75	U	
8260C	1,2-DIBROMOETHANE	106-93-4	UG_L	0.5	U	
8260C	1,2-DICHLOROBENZENE	95-50-1	UG_L	0.5	U	
8260C	1,2-DICHLOROETHANE	107-06-2	UG_L	0.5	U	
8260C	1,2-DICHLOROETHENE, TOTAL	540-59-0	UG_L	1	U	
8260C	1,2-DICHLOROPROPANE	78-87-5	UG_L	0.5	U	
8260C	1,3-DICHLOROBENZENE	541-73-1	UG_L	0.5	U	
8260C	1,4-DICHLOROBENZENE	106-46-7	UG_L	0.5	U	
8260C	2-BUTANONE	78-93-3	UG_L	2.5	U	
8260C	2-HEXANONE	591-78-6	UG_L	2.5	U	
8260C	4-METHYL-2-PENTANONE	108-10-1	UG_L	2.5	U	
8260C	ACETONE	67-64-1	UG_L	2.5	UJ	c
8260C	BENZENE	71-43-2	UG_L	0.5	U	
8260C	BROMODICHLOROMETHANE	75-27-4	UG_L	0.5	U	
8260C	BROMOFORM	75-25-2	UG_L	0.5	U	
8260C	BROMOMETHANE	74-83-9	UG_L	1	U	
8260C	CARBON DISULFIDE	75-15-0	UG_L	0.5	UJ	c
8260C	CARBON TETRACHLORIDE	56-23-5	UG_L	0.5	U	
8260C	CHLOROBENZENE	108-90-7	UG_L	0.5	U	
8260C	CHLOROETHANE	75-00-3	UG_L	1	UJ	c
8260C	CHLOROFORM	67-66-3	UG_L	0.5	U	
8260C	CHLOROMETHANE	74-87-3	UG_L	1	UJ	c
8260C	CIS-1,2-DICHLOROETHENE	156-59-2	UG_L	0.5	U	
8260C	CIS-1,3-DICHLOROPROPENE	10061-01-5	UG_L	0.5	U	
8260C	CYCLOHEXANE	110-82-7	UG_L	0.5	U	
8260C	DIBROMOCHLOROMETHANE	124-48-1	UG_L	0.5	U	
8260C	DICHLORODIFLUOROMETHANE	75-71-8	UG_L	1	UJ	c
8260C	ETHYLBENZENE	100-41-4	UG_L	0.5	U	
8260C	ISOPROPYLBENZENE	98-82-8	UG_L	0.5	U	
8260C	M- AND P-XYLENE	108-38-3/106-42	UG_L	1	U	
8260C	METHYL ACETATE	79-20-9	UG_L	0.75	U	
8260C	METHYL CYCLOHEXANE	108-87-2	UG_L	0.5	U	
8260C	METHYL TERT-BUTYL ETHER	1634-04-4	UG_L	0.5	U	
8260C	METHYLENE CHLORIDE	75-09-2	UG_L	2.5	U	
8260C	O-XYLENE	95-47-6	UG_L	0.5	U	
8260C	STYRENE	100-42-5	UG_L	0.5	U	
8260C	TETRACHLOROETHENE	127-18-4	UG_L	0.5	UJ	c
8260C	TOLUENE	108-88-3	UG_L	0.5	U	
8260C	TRANS-1,2-DICHLOROETHENE	156-60-5	UG_L	0.5	U	
8260C	TRANS-1,3-DICHLOROPROPENE	10061-02-6	UG_L	0.5	U	
8260C	TRICHLOROETHENE	79-01-6	UG_L	0.5	U	
8260C	TRICHLOROFUOROMETHANE	75-69-4	UG_L	1	U	
8260C	VINYL CHLORIDE	75-01-4	UG_L	1	UJ	c
8260C	XYLENES, TOTAL	1330-20-7	UG_L	1.5	U	

*Notes:*

- UG\_L = Micrograms per liter  
 Qual = Final qualifiers (See Attachment B)  
 RC = Reason codes (See Attachment C)

Final Results after Data Review  
NWIRP Bethpage OU 2 Regional Groundwater Investigation

Sample Delivery Group				TI0291			TI0291		
				TI0291-7			TI0291-8		
				VPB163-SOIL-122115-223-225			VPB163-SOIL-DUP-122115		
				12/21/2015			12/21/2015		
				Soil			Field Duplicate		
Method	Analyte	CAS No	Units	Result	Qual	RC	Result	Qual	RC
2540G	TOTAL SOLIDS	-29	PCT	81			80		
9060A	TOTAL ORGANIC CARBON	-28	UG_G	710	J	fd	1900	J	fd

*Notes:*

ID = Identification  
 Qual = Final interpreted qualifier  
 RC = Validator reason code (See definition below)  
 PCT = Percent  
 UG\_G = Micrograms per gram  
 J = Estimated value; the reported value is greater than or equal to the laboratory method limit but less than the quantitation limit.

*Reason Code*

fd = Flagged estimated due to field duplicate relative percent difference.

## DATA VALIDATION REPORT

Project:	Regional Groundwater Investigation — NWIRP Bethpage	
Laboratory:	Katahdin Analytical	
Sample Delivery Group:	200-31488	
Analyses/Method:	Volatile Organic Compounds (VOCs) by U.S. EPA Method TO-15	
Validation Level:	3	
Project Number:	0888812477.SA.DV	
Prepared by:	Dana Miller/Resolution Consultants	Completed on: 02/03/2016
Reviewed by:	Tina Clemmey/Resolution Consultants	File Name: 200-31488_TO15

### SUMMARY

This report summarizes data review findings for samples listed below, collected by Resolution Consultants from the Regional Groundwater Investigation — NWIRP Bethpage site on 1 January 2016 in accordance with the following Sampling and Analysis Plans:

- *Sampling and Analysis Plan, Bethpage, New York.* (Resolution Consultants April 2013).
- *UFP SAP Addendum, Installation of Vertical Profile Borings and Monitoring Wells, Operable Unit 2, NWIRP Bethpage, New York.* (Resolution Consultants November 2013).
- *UFP SAP Addendum, Inclusion of Additional Target Analytes for Volatile Organics Analyses, NWIRP Bethpage OU2, Bethpage, New York.* (Resolution Consultants August 2014).

Sample ID	Matrix/Sample Type	Analysis
VPB163-AIR-010716	Air	TO-15

Data validation activities were conducted using the following guidance documents: *Determination of Volatile Organic Compounds (VOCs) In Air Collected In Specially-Prepared Canisters and Analyzed By Gas Chromatography/Mass Spectrometry (GC/MS)* (U.S. EPA, Method TO-15), *U.S. Environmental Protection Agency (U.S. EPA) Contract Laboratory Program National Functional Guidelines for Superfund Organic Methods Data Review* (NFG, June 2008), and Department of Defense (DoD) Quality Systems Manual (QSM) for Environmental Laboratories, Version 4.2 (October 2010). In the absence of method-specific information, laboratory quality control (QC) limits, project-specific requirements and/or professional judgment were used as appropriate.

### REVIEW ELEMENTS

The data were evaluated based on the following parameters (where applicable to the method):

- ✓ Data completeness (chain-of-custody (COC)/sample integrity)
- ✓ Holding times and sample preservation
- ✓ GC/MS performance checks
- ✓ Initial calibration/continuing calibration verification
- ✓ Laboratory blanks
- NA Matrix duplicate (MD) results
- ✓ Laboratory control sample (LCS) results
- NA Field duplicates
- ✓ Internal standards
- ✓ Sample results/reporting issues

The symbol (✓) indicates that no validation qualifiers were applied based on this parameter. NA indicates that the parameter was not included as part of this data set or was not applicable to this validation and therefore not reviewed. Acceptable data parameters for which all criteria were met and no qualification was performed and non-conformance or other issues that were noted during validation, but did not result in qualification of data are not discussed further.

#### Qualifications Actions

The data was reviewed independently from the laboratory to assess data quality and no results were qualified during this data review. Analytical completeness was calculated to be 100% and the data are usable for their intended purpose, according to U.S. EPA guidelines and Department of Defense guidelines. Attachment A provides final results after data review.

#### ATTACHMENTS

Attachment A: Final Results after Data Review

Attachment A  
Final Results after Data Review

Sample Delivery Group				200-31488	
Lab ID				200-31488-1	
Sample ID				VPB163-AIR-010716	
Sample Date				1/7/2016	
Sample Type				Air	
Method	Analyte	CAS No	Units	Result	Qual
TO-15	1,1,1-TRICHLOROETHANE	71-55-6	PPBV	0.29	U
TO-15	1,1,2,2-TETRACHLOROETHANE	79-34-5	PPBV	0.29	U
TO-15	1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	76-13-1	PPBV	0.29	U
TO-15	1,1,2-TRICHLOROETHANE	79-00-5	PPBV	0.29	U
TO-15	1,1-DICHLOROETHANE	75-34-3	PPBV	0.29	U
TO-15	1,1-DICHLOROETHENE	75-35-4	PPBV	0.29	U
TO-15	1,2,4-TRICHLOROBENZENE	120-82-1	PPBV	0.73	U
TO-15	1,2-DIBROMOETHANE	106-93-4	PPBV	0.29	U
TO-15	1,2-DICHLOROBENZENE	95-50-1	PPBV	0.29	U
TO-15	1,2-DICHLOROETHANE	107-06-2	PPBV	0.29	U
TO-15	1,2-DICHLOROPROPANE	78-87-5	PPBV	0.29	U
TO-15	1,3-DICHLOROBENZENE	541-73-1	PPBV	0.29	U
TO-15	1,4-DICHLOROBENZENE	106-46-7	PPBV	0.29	U
TO-15	2-BUTANONE	78-93-3	PPBV	0.73	U
TO-15	2-HEXANONE	591-78-6	PPBV	0.73	U
TO-15	4-METHYL-2-PENTANONE	108-10-1	PPBV	0.73	U
TO-15	ACETONE	67-64-1	PPBV	7.3	U
TO-15	BENZENE	71-43-2	PPBV	1	
TO-15	BROMODICHLOROMETHANE	75-27-4	PPBV	0.29	U
TO-15	BROMOFORM	75-25-2	PPBV	0.29	U
TO-15	BROMOMETHANE	74-83-9	PPBV	0.29	U
TO-15	CARBON DISULFIDE	75-15-0	PPBV	0.73	U
TO-15	CARBON TETRACHLORIDE	56-23-5	PPBV	0.29	U
TO-15	CHLOROBENZENE	108-90-7	PPBV	0.29	U
TO-15	CHLOROETHANE	75-00-3	PPBV	0.73	U
TO-15	CHLOROFORM	67-66-3	PPBV	0.29	U
TO-15	CHLOROMETHANE	74-87-3	PPBV	0.73	U
TO-15	CIS-1,2-DICHLOROETHENE	156-59-2	PPBV	0.29	U
TO-15	CIS-1,3-DICHLOROPROPENE	10061-01-5	PPBV	0.29	U
TO-15	CYCLOHEXANE	110-82-7	PPBV	0.9	
TO-15	DIBROMOCHLOROMETHANE	124-48-1	PPBV	0.29	U
TO-15	DICHLORODIFLUOROMETHANE	75-71-8	PPBV	0.73	U
TO-15	ETHYLBENZENE	100-41-4	PPBV	0.33	
TO-15	ISOPROPYLBENZENE	98-82-8	PPBV	0.29	U
TO-15	M- AND P-XYLENE	108-38-3/106-42	PPBV	1.1	
TO-15	METHYL TERT-BUTYL ETHER	1634-04-4	PPBV	0.29	U
TO-15	METHYLENE CHLORIDE	75-09-2	PPBV	0.73	U
TO-15	O-XYLENE	95-47-6	PPBV	0.39	
TO-15	STYRENE	100-42-5	PPBV	0.29	U
TO-15	TETRACHLOROETHENE	127-18-4	PPBV	0.29	U
TO-15	TOLUENE	108-88-3	PPBV	3.4	
TO-15	TRANS-1,2-DICHLOROETHENE	156-60-5	PPBV	0.29	U
TO-15	TRANS-1,3-DICHLOROPROPENE	10061-02-6	PPBV	0.29	U
TO-15	TRICHLOROETHENE	79-01-6	PPBV	0.29	U
TO-15	TRICHLOROFLUOROMETHANE	75-69-4	PPBV	0.29	U
TO-15	VINYL CHLORIDE	75-01-4	PPBV	0.29	U
TO-15	XYLEMES, TOTAL	1330-20-7	PPBV	1.5	

*Notes:*

PPBV = Parts per billion by volume

Qual = Final qualifier

U = The analyte was analyzed for and not detected above the reported sample quantitation limit.

Section 5  
VPB163 Analytical Data Table

Location	NYSDEC Groundwater Guidance or Standard Value (Note 1)	VPB163	VPB163	VPB163	VPB163
Sample Date		12/16/2015	12/18/2015	12/18/2015	12/21/2015
Sample ID		VPB163-GW-121615-58-60	VPB163-GW-121815-118-120	VPB163-GW-121815-158-160	VPB163-GW-122115-198-200
Sample Interval (ft bgs)		58-60	118-120	158-160	198-200
Sample type code		N	N	N	N
<b>VOC 8260C (ug/L)</b>					
1,1,1-TRICHLOROETHANE	5	<0.50 U	<0.50 U	<b>0.95 J</b>	<0.50 U
1,1,2,2-TETRACHLOROETHANE	5	<0.50 U	<0.50 U	<0.50 U	<0.50 U
1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	5	<0.50 U	<0.50 U	<0.50 U	<0.50 U
1,1,2-TRICHLOROETHANE	1	<0.50 U	<0.50 U	<0.50 U	<0.50 U
1,1-DICHLOROETHANE	5	<0.50 U	<b>2.2</b>	<0.50 U	<0.50 U
1,1-DICHLOROETHENE	5	<0.50 U	<0.50 U	<b>0.44 J</b>	<0.50 U
1,2,4-TRICHLOROBENZENE	5	<0.50 U	<0.50 U	<0.50 U	<0.50 U
1,2-DIBROMO-3-CHLOROPROPANE	0.04	<b>&lt;0.75 U</b>	<b>&lt;0.75 U</b>	<b>&lt;0.75 U</b>	<b>&lt;0.75 U</b>
1,2-DIBROMOETHANE	NL	<0.50 U	<0.50 U	<0.50 U	<0.50 U
1,2-DICHLOROBENZENE	3	<0.50 U	<0.50 U	<0.50 U	<0.50 U
1,2-DICHLOROETHANE	5	<0.50 U	<0.50 U	<0.50 U	<0.50 U
1,2-DICHLOROETHENE, TOTAL	5	<1.0 U	<1.0 U	<b>1.1 J</b>	<1.0 U
1,2-DICHLOROPROPANE	1	<0.50 U	<0.50 U	<0.50 U	<0.50 U
1,3-DICHLOROBENZENE	3	<0.50 U	<0.50 U	<0.50 U	<0.50 U
1,4-DICHLOROBENZENE	3	<0.50 U	<0.50 U	<0.50 U	<0.50 U
2-BUTANONE	50	<2.5 U	<2.5 U	<2.5 U	<2.5 U
2-HEXANONE	50	<2.5 U	<2.5 U	<2.5 U	<2.5 U
4-METHYL-2-PENTANONE	NL	<2.5 U	<2.5 UJ	<2.5 UJ	<2.5 UJ
ACETONE	50	<b>5.2</b>	<b>5.4</b>	<2.5 U	<b>3.9 J</b>
BENZENE	1	<0.50 U	<0.50 U	<0.50 U	<0.50 U
BROMODICHLOROMETHANE	50	<0.50 U	<0.50 U	<0.50 U	<0.50 U
BROMOFORM	50	<0.50 U	<0.50 U	<0.50 U	<0.50 U
BROMOMETHANE	5	<1.0 U	<1.0 U	<1.0 U	<1.0 U
CARBON DISULFIDE	60	<0.50 U	<0.50 U	<0.50 U	<0.50 U
CARBON TETRACHLORIDE	5	<0.50 U	<0.50 U	<0.50 U	<0.50 U
CHLOROBENZENE	5	<0.50 U	<0.50 U	<0.50 U	<0.50 U
CHLOROETHANE	5	<1.0 U	<1.0 UJ	<1.0 UJ	<1.0 UJ
CHLOROFORM	7	<b>0.89 J</b>	<0.50 U	<0.50 U	<0.50 U
CHLOROMETHANE	5	<1.0 UJ	<1.0 U	<1.0 U	<1.0 U
CIS-1,2-DICHLOROETHENE	5	<0.50 U	<0.50 U	<b>1.1</b>	<0.50 U
CIS-1,3-DICHLOROPROPENE	0.4	<b>&lt;0.50 U</b>	<b>&lt;0.50 U</b>	<b>&lt;0.50 U</b>	<b>&lt;0.50 U</b>
CYCLOHEXANE	NL	<0.50 U	<0.50 U	<0.50 U	<0.50 U
DIBROMOCHLOROMETHANE	5	<0.50 U	<0.50 U	<0.50 U	<0.50 U
DICHLORODIFLUOROMETHANE	5	<1.0 UJ	<b>1.4 J</b>	<1.0 U	<1.0 U
ETHYLBENZENE	5	<0.50 U	<0.50 U	<0.50 U	<0.50 U
ISOPROPYLBENZENE	5	<0.50 U	<0.50 U	<0.50 U	<0.50 U
M- AND P-XYLENE	NL	<1.0 U	<1.0 U	<1.0 U	<1.0 U
METHYL ACETATE	NL	<0.75 U	<0.75 U	<0.75 U	<0.75 U
METHYL CYCLOHEXANE	NL	<0.50 U	<0.50 U	<0.50 U	<0.50 U
METHYL TERT-BUTYL ETHER	10	<0.50 U	<0.50 U	<0.50 U	<0.50 U
METHYLENE CHLORIDE	5	<2.5 U	<2.5 U	<2.5 U	<2.5 U
O-XYLENE	NL	<0.50 U	<0.50 U	<0.50 U	<0.50 U
STYRENE	5	<0.50 U	<0.50 U	<0.50 U	<0.50 U
TETRACHLOROETHENE	5	<b>0.64 J</b>	<b>1.7 J</b>	<b>46 J</b>	<0.50 UJ
TOLUENE	5	<0.50 U	<0.50 U	<0.50 U	<0.50 U
TRANS-1,2-DICHLOROETHENE	5	<0.50 U	<0.50 U	<0.50 U	<0.50 U
TRANS-1,3-DICHLOROPROPENE	0.4	<b>&lt;0.50 U</b>	<b>&lt;0.50 U</b>	<b>&lt;0.50 U</b>	<b>&lt;0.50 U</b>
TRICHLOROETHENE	5	<0.50 U	<0.50 U	<b>4.3</b>	<0.50 U
TRICHLOROFLUOROMETHANE	5	<1.0 UJ	<1.0 U	<1.0 U	<1.0 U
VINYL CHLORIDE	2	<1.0 UJ	<1.0 U	<1.0 U	<1.0 U
XYLENES, TOTAL	5	<1.5 U	<1.5 U	<1.5 U	<1.5 U

Location	NYSDEC Groundwater Guidance or Standard Value (Note 1)	VPB163	VPB163	VPB163	VPB163
Sample Date		12/21/2015	12/21/2015	12/22/2015	12/22/2015
Sample ID		VPB163-GWD-122115	VPB163-122115-218-220	VPB163-GW-122215-238-240	VPB163-GW-122215-258-260
Sample Interval (ft bgs)		198-200	218-220	238-240	258-260
Sample type code		FD	N	N	N
<b>VOC 8260C (ug/L)</b>					
1,1,1-TRICHLOROETHANE	5	<0.50 U	<0.50 UJ	<0.50 UJ	<0.50 U
1,1,2,2-TETRACHLOROETHANE	5	<0.50 U	<0.50 UJ	<0.50 UJ	<0.50 U
1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	5	<0.50 U	<0.50 UJ	<0.50 UJ	<0.50 U
1,1,2-TRICHLOROETHANE	1	<0.50 U	<0.50 UJ	<0.50 UJ	<0.50 U
1,1-DICHLOROETHANE	5	<0.50 U	<0.50 UJ	<0.50 UJ	<0.50 U
1,1-DICHLOROETHENE	5	<0.50 U	<0.50 UJ	<0.50 UJ	<0.50 U
1,2,4-TRICHLOROBENZENE	5	<0.50 U	<0.50 UJ	<0.50 UJ	<0.50 U
1,2-DIBROMO-3-CHLOROPROPANE	0.04	<b>&lt;0.75 U</b>	<b>&lt;0.75 UJ</b>	<b>&lt;0.75 UJ</b>	<b>&lt;0.75 U</b>
1,2-DIBROMOETHANE	NL	<0.50 U	<0.50 UJ	<0.50 UJ	<0.50 U
1,2-DICHLOROBENZENE	3	<0.50 U	<0.50 UJ	<0.50 UJ	<0.50 U
1,2-DICHLOROETHANE	5	<0.50 U	<0.50 UJ	<0.50 UJ	<0.50 U
1,2-DICHLOROETHENE, TOTAL	5	<1.0 U	<1.0 UJ	<1.0 UJ	<1.0 U
1,2-DICHLOROPROPANE	1	<0.50 U	<0.50 UJ	<0.50 UJ	<0.50 U
1,3-DICHLOROBENZENE	3	<0.50 U	<0.50 UJ	<0.50 UJ	<0.50 U
1,4-DICHLOROBENZENE	3	<0.50 U	<0.50 UJ	<0.50 UJ	<0.50 U
2-BUTANONE	50	<2.5 U	<2.5 UJ	<2.5 UJ	<2.5 U
2-HEXANONE	50	<2.5 U	<2.5 UJ	<2.5 UJ	<2.5 U
4-METHYL-2-PENTANONE	NL	<2.5 UJ	<2.5 UJ	<2.5 UJ	<2.5 U
ACETONE	50	<b>5.0</b>	<b>5.1 J</b>	<b>5.6 J</b>	<2.5 UJ
BENZENE	1	<0.50 U	<0.50 UJ	<0.50 UJ	<0.50 U
BROMODICHLOROMETHANE	50	<0.50 U	<0.50 UJ	<0.50 UJ	<0.50 U
BROMOFORM	50	<0.50 U	<0.50 UJ	<0.50 UJ	<0.50 U
BROMOMETHANE	5	<1.0 U	<1.0 UJ	<1.0 UJ	<1.0 U
CARBON DISULFIDE	60	<0.50 U	<0.50 UJ	<0.50 UJ	<0.50 U
CARBON TETRACHLORIDE	5	<0.50 U	<0.50 UJ	<0.50 UJ	<0.50 U
CHLOROBENZENE	5	<0.50 U	<0.50 UJ	<0.50 UJ	<0.50 U
CHLOROETHANE	5	<1.0 UJ	<1.0 UJ	<1.0 UJ	<1.0 U
CHLOROFORM	7	<0.50 U	<0.50 UJ	<0.50 UJ	<0.50 U
CHLOROMETHANE	5	<1.0 U	<1.0 UJ	<1.0 UJ	<1.0 U
CIS-1,2-DICHLOROETHENE	5	<0.50 U	<0.50 UJ	<0.50 UJ	<0.50 U
CIS-1,3-DICHLOROPROPENE	0.4	<b>&lt;0.50 U</b>	<b>&lt;0.50 UJ</b>	<b>&lt;0.50 UJ</b>	<b>&lt;0.50 U</b>
CYCLOHEXANE	NL	<0.50 U	<0.50 UJ	<0.50 UJ	<0.50 U
DIBROMOCHLOROMETHANE	5	<0.50 U	<0.50 UJ	<0.50 UJ	<0.50 U
DICHLORODIFLUOROMETHANE	5	<1.0 U	<1.0 UJ	<1.0 UJ	<1.0 U
ETHYLBENZENE	5	<0.50 U	<0.50 UJ	<0.50 UJ	<0.50 U
ISOPROPYLBENZENE	5	<0.50 U	<0.50 UJ	<0.50 UJ	<0.50 U
M- AND P-XYLENE	NL	<1.0 U	<1.0 UJ	<1.0 UJ	<1.0 U
METHYL ACETATE	NL	<0.75 U	<0.75 UJ	<0.75 UJ	<0.75 U
METHYL CYCLOHEXANE	NL	<0.50 U	<0.50 UJ	<0.50 UJ	<0.50 U
METHYL TERT-BUTYL ETHER	10	<0.50 U	<0.50 UJ	<0.50 UJ	<0.50 U
METHYLENE CHLORIDE	5	<2.5 U	<2.5 UJ	<2.5 UJ	<2.5 U
O-XYLENE	NL	<0.50 U	<0.50 UJ	<0.50 UJ	<0.50 U
STYRENE	5	<0.50 U	<0.50 UJ	<0.50 UJ	<0.50 U
TETRACHLOROETHENE	5	<0.50 UJ	<0.50 UJ	<0.50 UJ	<0.50 U
TOLUENE	5	<0.50 U	<0.50 UJ	<0.50 UJ	<0.50 U
TRANS-1,2-DICHLOROETHENE	5	<0.50 U	<0.50 UJ	<0.50 UJ	<0.50 U
TRANS-1,3-DICHLOROPROPENE	0.4	<b>&lt;0.50 U</b>	<b>&lt;0.50 UJ</b>	<b>&lt;0.50 UJ</b>	<b>&lt;0.50 U</b>
TRICHLOROETHENE	5	<0.50 U	<0.50 UJ	<0.50 UJ	<0.50 U
TRICHLOROFLUOROMETHANE	5	<1.0 U	<1.0 UJ	<1.0 UJ	<1.0 U
VINYL CHLORIDE	2	<1.0 U	<1.0 UJ	<1.0 UJ	<1.0 U
XYLENES, TOTAL	5	<1.5 U	<1.5 UJ	<1.5 UJ	<1.5 U

Location	NYSDEC Groundwater Guidance or Standard Value (Note 1)	VPB163	VPB163	VPB163	VPB163
Sample Date		12/29/2015	12/29/2015	12/29/2015	12/30/2015
Sample ID		VPB163-GW-122915-338-340	VPB163-GW-122915-358-360	VPB163-GW-122915-378-380	VPB163-GW-123015-398-400
Sample Interval (ft bgs)		338-340	358-360	378-380	398-400
Sample type code		N	N	N	N
<b>VOC 8260C (ug/L)</b>					
1,1,1-TRICHLOROETHANE	5	<1.7 UJ	<1.2 UJ	<0.50 U	<0.50 U
1,1,2,2-TETRACHLOROETHANE	5	<1.7 UJ	<1.2 UJ	<0.50 U	<0.50 U
1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	5	<1.7 UJ	<1.2 UJ	<0.50 U	<0.50 U
1,1,2-TRICHLOROETHANE	1	<b>&lt;1.7 UJ</b>	<b>&lt;1.2 UJ</b>	<0.50 U	<0.50 U
1,1-DICHLOROETHANE	5	<1.7 UJ	<1.2 UJ	<0.50 U	<0.50 U
1,1-DICHLOROETHENE	5	<1.7 UJ	<1.2 UJ	<0.50 UJ	<0.50 UJ
1,2,4-TRICHLOROBENZENE	5	<1.7 UJ	<1.2 UJ	<0.50 U	<0.50 U
1,2-DIBROMO-3-CHLOROPROPANE	0.04	<b>&lt;2.5 UJ</b>	<b>&lt;1.9 UJ</b>	<b>&lt;0.75 U</b>	<b>&lt;0.75 U</b>
1,2-DIBROMOETHANE	NL	<1.7 UJ	<1.2 UJ	<0.50 U	<0.50 U
1,2-DICHLOROBENZENE	3	<1.7 UJ	<1.2 UJ	<0.50 U	<0.50 U
1,2-DICHLOROETHANE	5	<1.7 UJ	<1.2 UJ	<0.50 U	<0.50 U
1,2-DICHLOROETHENE, TOTAL	5	<3.3 UJ	<2.5 UJ	<1.0 U	<1.0 U
1,2-DICHLOROPROPANE	1	<b>&lt;1.7 UJ</b>	<b>&lt;1.2 UJ</b>	<0.50 U	<0.50 U
1,3-DICHLOROBENZENE	3	<1.7 UJ	<1.2 UJ	<0.50 U	<0.50 U
1,4-DICHLOROBENZENE	3	<1.7 UJ	<1.2 UJ	<0.50 U	<0.50 U
2-BUTANONE	50	<8.3 UJ	<6.2 UJ	<2.5 U	<2.5 U
2-HEXANONE	50	<8.3 UJ	<6.2 UJ	<2.5 U	<2.5 U
4-METHYL-2-PENTANONE	NL	<8.3 UJ	<6.2 UJ	<2.5 U	<2.5 U
ACETONE	50	<b>8.1 J</b>	<b>6.0 J</b>	<2.5 UJ	<2.5 UJ
BENZENE	1	<b>&lt;1.7 UJ</b>	<b>&lt;1.2 UJ</b>	<0.50 U	<0.50 U
BROMODICHLOROMETHANE	50	<1.7 UJ	<1.2 UJ	<0.50 U	<0.50 U
BROMOFORM	50	<1.7 UJ	<1.2 UJ	<0.50 U	<0.50 U
BROMOMETHANE	5	<3.3 UJ	<2.5 UJ	<1.0 U	<1.0 U
CARBON DISULFIDE	60	<1.7 UJ	<1.2 UJ	<0.50 UJ	<0.50 UJ
CARBON TETRACHLORIDE	5	<1.7 UJ	<1.2 UJ	<0.50 U	<0.50 U
CHLOROBENZENE	5	<1.7 UJ	<1.2 UJ	<0.50 U	<0.50 U
CHLOROETHANE	5	<3.3 UJ	<2.5 UJ	<1.0 UU	<1.0 UU
CHLOROFORM	7	<1.7 UJ	<1.2 UJ	<0.50 U	<0.50 U
CHLOROMETHANE	5	<3.3 UJ	<2.5 UJ	<1.0 UU	<1.0 UU
CIS-1,2-DICHLOROETHENE	5	<1.7 UJ	<1.2 UJ	<0.50 U	<0.50 U
CIS-1,3-DICHLOROPROPENE	0.4	<b>&lt;1.7 UJ</b>	<b>&lt;1.2 UJ</b>	<b>&lt;0.50 U</b>	<b>&lt;0.50 U</b>
CYCLOHEXANE	NL	<1.7 UJ	<1.2 UJ	<0.50 U	<0.50 U
DIBROMOCHLOROMETHANE	5	<1.7 UJ	<1.2 UJ	<0.50 U	<0.50 U
DICHLORODIFLUOROMETHANE	5	<3.3 UJ	<2.5 UJ	<1.0 UU	<1.0 UU
ETHYLBENZENE	5	<1.7 UJ	<1.2 UJ	<0.50 U	<0.50 U
ISOPROPYLBENZENE	5	<1.7 UJ	<1.2 UJ	<0.50 U	<0.50 U
M- AND P-XYLENE	NL	<3.3 UJ	<2.5 UJ	<1.0 U	<1.0 U
METHYL ACETATE	NL	<2.5 UJ	<1.9 UJ	<0.75 U	<0.75 U
METHYL CYCLOHEXANE	NL	<1.7 UJ	<1.2 UJ	<0.50 U	<0.50 U
METHYL TERT-BUTYL ETHER	10	<1.7 UJ	<1.2 UJ	<0.50 U	<0.50 U
METHYLENE CHLORIDE	5	<b>&lt;8.3 UJ</b>	<b>&lt;6.2 UJ</b>	<2.5 U	<2.5 U
O-XYLENE	NL	<1.7 UJ	<1.2 UJ	<0.50 U	<0.50 U
STYRENE	5	<1.7 UJ	<1.2 UJ	<0.50 U	<0.50 U
TETRACHLOROETHENE	5	<1.7 UJ	<1.2 UJ	<0.50 UJ	<0.50 UJ
TOLUENE	5	<1.7 UJ	<1.2 UJ	<0.50 U	<0.50 U
TRANS-1,2-DICHLOROETHENE	5	<1.7 UJ	<1.2 UJ	<0.50 U	<0.50 U
TRANS-1,3-DICHLOROPROPENE	0.4	<b>&lt;1.7 UJ</b>	<b>&lt;1.2 UJ</b>	<b>&lt;0.50 U</b>	<b>&lt;0.50 U</b>
TRICHLOROETHENE	5	<1.7 UJ	<1.2 UJ	<0.50 U	<0.50 U
TRICHLOROFLUOROMETHANE	5	<3.3 UJ	<2.5 UJ	<1.0 U	<1.0 U
VINYL CHLORIDE	2	<b>&lt;3.3 UJ</b>	<b>&lt;2.5 UJ</b>	<1.0 UU	<1.0 UU
XYLENES, TOTAL	5	<5.0 UJ	<3.8 UJ	<1.5 U	<1.5 U

Location	NYSDEC Groundwater Guidance or Standard Value (Note 1)	VPB163	VPB163	VPB163	VPB163
Sample Date		12/30/2015	12/30/2015	12/31/2015	12/31/2015
Sample ID		VPB163-GW-123015-418-420	VPB163-GW-123015-438-440	VPB163-GW-123115-458-460	VPB163-GW-123115-478-480
Sample Interval (ft bgs)		418-420	438-440	458-460	478-480
Sample type code		N	N	N	N
<b>VOC 8260C (ug/L)</b>					
1,1,1-TRICHLOROETHANE	5	<0.50 U	<0.50 U	<0.50 U	<0.50 UJ
1,1,2,2-TETRACHLOROETHANE	5	<0.50 U	<0.50 U	<0.50 U	<0.50 UJ
1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	5	<0.50 U	<0.50 U	<0.50 U	<0.50 UJ
1,1,2-TRICHLOROETHANE	1	<0.50 U	<0.50 U	<0.50 U	<0.50 UJ
1,1-DICHLOROETHANE	5	<0.50 U	<0.50 U	<0.50 U	<0.50 UJ
1,1-DICHLOROETHENE	5	<0.50 UJ	<0.50 UJ	<0.50 U	<0.50 UJ
1,2,4-TRICHLOROBENZENE	5	<0.50 U	<0.50 U	<0.50 U	<0.50 UJ
1,2-DIBROMO-3-CHLOROPROPANE	0.04	<b>&lt;0.75 U</b>	<b>&lt;0.75 U</b>	<b>&lt;0.75 U</b>	<b>&lt;0.75 UJ</b>
1,2-DIBROMOETHANE	NL	<0.50 U	<0.50 U	<0.50 U	<0.50 UJ
1,2-DICHLOROBENZENE	3	<0.50 U	<0.50 U	<0.50 U	<0.50 UJ
1,2-DICHLOROETHANE	5	<0.50 U	<0.50 U	<0.50 U	<0.50 UJ
1,2-DICHLOROETHENE, TOTAL	5	<1.0 U	<1.0 U	<1.0 U	<1.0 UJ
1,2-DICHLOROPROPANE	1	<0.50 U	<0.50 U	<0.50 U	<0.50 UJ
1,3-DICHLOROBENZENE	3	<0.50 U	<0.50 U	<0.50 U	<0.50 UJ
1,4-DICHLOROBENZENE	3	<0.50 U	<0.50 U	<0.50 U	<0.50 UJ
2-BUTANONE	50	<2.5 U	<2.5 U	<2.5 U	<2.5 UJ
2-HEXANONE	50	<2.5 U	<2.5 U	<2.5 U	<2.5 UJ
4-METHYL-2-PENTANONE	NL	<2.5 U	<2.5 U	<2.5 U	<2.5 UJ
ACETONE	50	<2.5 UJ	<2.5 UJ	<b>2.4 J</b>	<b>2.4 J</b>
BENZENE	1	<0.50 U	<0.50 U	<0.50 U	<0.50 UJ
BROMODICHLOROMETHANE	50	<0.50 U	<0.50 U	<0.50 U	<0.50 UJ
BROMOFORM	50	<0.50 U	<0.50 U	<0.50 U	<0.50 UJ
BROMOMETHANE	5	<1.0 U	<1.0 U	<1.0 U	<1.0 UJ
CARBON DISULFIDE	60	<0.50 UJ	<0.50 UJ	<0.50 U	<0.50 UJ
CARBON TETRACHLORIDE	5	<0.50 U	<0.50 U	<0.50 U	<0.50 UJ
CHLOROBENZENE	5	<0.50 U	<0.50 U	<0.50 U	<0.50 UJ
CHLOROETHANE	5	<1.0 UJ	<1.0 UJ	<1.0 U	<1.0 UJ
CHLOROFORM	7	<0.50 U	<0.50 U	<0.50 U	<0.50 UJ
CHLOROMETHANE	5	<1.0 UJ	<1.0 UJ	<1.0 U	<1.0 UJ
CIS-1,2-DICHLOROETHENE	5	<0.50 U	<0.50 U	<0.50 U	<0.50 UJ
CIS-1,3-DICHLOROPROPENE	0.4	<b>&lt;0.50 U</b>	<b>&lt;0.50 U</b>	<b>&lt;0.50 U</b>	<b>&lt;0.50 UJ</b>
CYCLOHEXANE	NL	<0.50 U	<0.50 U	<0.50 U	<0.50 UJ
DIBROMOCHLOROMETHANE	5	<0.50 U	<0.50 U	<0.50 U	<0.50 UJ
DICHLORODIFLUOROMETHANE	5	<1.0 UJ	<1.0 UJ	<1.0 U	<1.0 UJ
ETHYLBENZENE	5	<0.50 U	<0.50 U	<0.50 U	<0.50 UJ
ISOPROPYLBENZENE	5	<0.50 U	<0.50 U	<0.50 U	<0.50 UJ
M- AND P-XYLENE	NL	<1.0 U	<1.0 U	<1.0 U	<1.0 UJ
METHYL ACETATE	NL	<0.75 U	<0.75 U	<0.75 U	<0.75 UJ
METHYL CYCLOHEXANE	NL	<0.50 U	<0.50 U	<0.50 U	<0.50 UJ
METHYL TERT-BUTYL ETHER	10	<0.50 U	<0.50 U	<0.50 U	<0.50 UJ
METHYLENE CHLORIDE	5	<2.5 U	<2.5 U	<2.5 U	<2.5 UJ
O-XYLENE	NL	<0.50 U	<0.50 U	<0.50 U	<0.50 UJ
STYRENE	5	<0.50 U	<0.50 U	<0.50 U	<0.50 UJ
TETRACHLOROETHENE	5	<0.50 UJ	<0.50 UJ	<0.50 UJ	<0.50 UJ
TOLUENE	5	<0.50 U	<0.50 U	<0.50 U	<0.50 UJ
TRANS-1,2-DICHLOROETHENE	5	<0.50 U	<0.50 U	<0.50 U	<0.50 UJ
TRANS-1,3-DICHLOROPROPENE	0.4	<b>&lt;0.50 U</b>	<b>&lt;0.50 U</b>	<b>&lt;0.50 U</b>	<b>&lt;0.50 UJ</b>
TRICHLOROETHENE	5	<0.50 U	<0.50 U	<0.50 U	<0.50 UJ
TRICHLOROFLUOROMETHANE	5	<1.0 U	<1.0 U	<1.0 U	<1.0 UJ
VINYL CHLORIDE	2	<1.0 UJ	<1.0 UJ	<1.0 U	<1.0 UJ
XYLENES, TOTAL	5	<1.5 U	<1.5 U	<1.5 U	<1.5 UJ

Location	NYSDEC Groundwater Guidance or Standard Value (Note 1)	VPB163	VPB163	VPB163	VPB163
Sample Date		1/4/2016	1/5/2016	1/5/2016	1/5/2016
Sample ID		VPB163-GW-010416-503-505	VPB163-GW-010516-518-520	VPB163-GW-010516-538-540	VPB163-GWD-010516
Sample Interval (ft bgs)		503-505	518-520	538-540	538-540
Sample type code		N	N	N	FD
<b>VOC 8260C (ug/L)</b>					
1,1,1-TRICHLOROETHANE	5	<0.50 UJ	<0.50 U	<0.50 UJ	<0.50 U
1,1,2,2-TETRACHLOROETHANE	5	<0.50 UJ	<0.50 U	<0.50 UJ	<0.50 U
1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	5	<0.50 UJ	<0.50 U	<0.50 UJ	<0.50 U
1,1,2-TRICHLOROETHANE	1	<0.50 UJ	<0.50 U	<0.50 UJ	<0.50 U
1,1-DICHLOROETHANE	5	<0.50 UJ	<0.50 U	<0.50 UJ	<0.50 U
1,1-DICHLOROETHENE	5	<0.50 UJ	<0.50 U	<0.50 UJ	<0.50 U
1,2,4-TRICHLOROBENZENE	5	<0.50 UJ	<0.50 U	<0.50 UJ	<0.50 U
1,2-DIBROMO-3-CHLOROPROPANE	0.04	<b>&lt;0.75 UJ</b>	<b>&lt;0.75 U</b>	<b>&lt;0.75 UJ</b>	<b>&lt;0.75 U</b>
1,2-DIBROMOETHANE	NL	<0.50 UJ	<0.50 U	<0.50 UJ	<0.50 U
1,2-DICHLOROBENZENE	3	<0.50 UJ	<0.50 U	<0.50 UJ	<0.50 U
1,2-DICHLOROETHANE	5	<0.50 UJ	<0.50 U	<0.50 UJ	<0.50 U
1,2-DICHLOROETHENE, TOTAL	5	<1.0 UJ	<1.0 U	<1.0 UJ	<1.0 U
1,2-DICHLOROPROPANE	1	<0.50 UJ	<0.50 U	<0.50 UJ	<0.50 U
1,3-DICHLOROBENZENE	3	<0.50 UJ	<0.50 U	<0.50 UJ	<0.50 U
1,4-DICHLOROBENZENE	3	<0.50 UJ	<0.50 U	<0.50 UJ	<0.50 U
2-BUTANONE	50	<2.5 UJ	<2.5 U	<2.5 U	<2.5 U
2-HEXANONE	50	<2.5 UJ	<2.5 U	<2.5 UJ	<2.5 U
4-METHYL-2-PENTANONE	NL	<2.5 UJ	<2.5 U	<2.5 UJ	<2.5 U
ACETONE	50	<b>6.2 J</b>	<2.5 UJ	<b>3.3 J</b>	<b>2.6 J</b>
BENZENE	1	<0.50 UJ	<0.50 U	<0.50 UJ	<0.50 U
BROMODICHLOROMETHANE	50	<0.50 UJ	<0.50 U	<0.50 UJ	<0.50 U
BROMOFORM	50	<0.50 UJ	<0.50 U	<0.50 UJ	<0.50 U
BROMOMETHANE	5	<1.0 UJ	<1.0 U	<1.0 U	<1.0 U
CARBON DISULFIDE	60	<0.50 UJ	<0.50 U	<0.50 UJ	<0.50 U
CARBON TETRACHLORIDE	5	<0.50 UJ	<0.50 U	<0.50 UJ	<0.50 U
CHLOROBENZENE	5	<0.50 UJ	<0.50 U	<0.50 UJ	<0.50 U
CHLOROETHANE	5	<1.0 UJ	<1.0 U	<1.0 UJ	<1.0 U
CHLOROFORM	7	<0.50 UJ	<0.50 U	<0.50 UJ	<0.50 U
CHLOROMETHANE	5	<1.0 UJ	<1.0 U	<1.0 U	<1.0 U
CIS-1,2-DICHLOROETHENE	5	<0.50 UJ	<0.50 U	<0.50 UJ	<0.50 U
CIS-1,3-DICHLOROPROPENE	0.4	<b>&lt;0.50 UJ</b>	<b>&lt;0.50 U</b>	<b>&lt;0.50 UJ</b>	<b>&lt;0.50 U</b>
CYCLOHEXANE	NL	<0.50 UJ	<0.50 U	<0.50 UJ	<0.50 U
DIBROMOCHLOROMETHANE	5	<0.50 UJ	<0.50 U	<0.50 UJ	<0.50 U
DICHLORODIFLUOROMETHANE	5	<1.0 UJ	<1.0 U	<1.0 U	<1.0 U
ETHYLBENZENE	5	<0.50 UJ	<0.50 U	<0.50 UJ	<0.50 U
ISOPROPYLBENZENE	5	<0.50 UJ	<0.50 U	<0.50 UJ	<0.50 U
M- AND P-XYLENE	NL	<1.0 UJ	<1.0 U	<1.0 UJ	<1.0 U
METHYL ACETATE	NL	<0.75 UJ	<0.75 U	<0.75 UJ	<0.75 U
METHYL CYCLOHEXANE	NL	<0.50 UJ	<0.50 U	<0.50 UJ	<0.50 U
METHYL TERT-BUTYL ETHER	10	<0.50 UJ	<0.50 U	<0.50 UJ	<0.50 U
METHYLENE CHLORIDE	5	<2.5 UJ	<2.5 U	<2.5 UJ	<2.5 U
O-XYLENE	NL	<0.50 UJ	<0.50 U	<0.50 UJ	<0.50 U
STYRENE	5	<0.50 UJ	<0.50 U	<0.50 UJ	<0.50 U
TETRACHLOROETHENE	5	<0.50 UJ	<0.50 UJ	<0.50 UJ	<0.50 UJ
TOLUENE	5	<0.50 UJ	<0.50 U	<0.50 UJ	<0.50 U
TRANS-1,2-DICHLOROETHENE	5	<0.50 UJ	<0.50 U	<0.50 UJ	<0.50 U
TRANS-1,3-DICHLOROPROPENE	0.4	<b>&lt;0.50 UJ</b>	<b>&lt;0.50 U</b>	<b>&lt;0.50 UJ</b>	<b>&lt;0.50 U</b>
TRICHLOROETHENE	5	<0.50 UJ	<0.50 U	<0.50 UJ	<0.50 U
TRICHLOROFLUOROMETHANE	5	<1.0 UJ	<1.0 U	<1.0 UJ	<1.0 U
VINYL CHLORIDE	2	<1.0 UJ	<1.0 U	<1.0 U	<1.0 U
XYLENES, TOTAL	5	<1.5 UJ	<1.5 U	<1.5 UJ	<1.5 U

Location	NYSDEC Groundwater Guidance or Standard Value (Note 1)	VPB163	VPB163	VPB163	VPB163
Sample Date		1/6/2016	1/7/2016	1/8/2016	1/11/2016
Sample ID		VPB163-GW-010616-558-560	VPB163-GW-010716-583-585	VPB163-GW-010816-603-605	VPB163-GW-011116-618-620
Sample Interval (ft bgs)		558-560	583-585	603-605	618-620
Sample type code		N	N	N	N
<b>VOC 8260C (ug/L)</b>					
1,1,1-TRICHLOROETHANE	5	<0.50 U	<0.50 U	<0.50 U	<0.50 UJ
1,1,2,2-TETRACHLOROETHANE	5	<0.50 U	<0.50 U	<0.50 U	<0.50 UJ
1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	5	<0.50 U	<0.50 U	<0.50 U	<0.50 UJ
1,1,2-TRICHLOROETHANE	1	<0.50 U	<0.50 U	<0.50 U	<0.50 UJ
1,1-DICHLOROETHANE	5	<0.50 U	<0.50 U	<0.50 U	<0.50 UJ
1,1-DICHLOROETHENE	5	<0.50 U	<0.50 U	<0.50 U	<0.50 UJ
1,2,4-TRICHLOROBENZENE	5	<0.50 U	<0.50 U	<0.50 U	<0.50 UJ
1,2-DIBROMO-3-CHLOROPROPANE	0.04	<b>&lt;0.75 U</b>	<b>&lt;0.75 U</b>	<b>&lt;0.75 U</b>	<b>&lt;0.75 UJ</b>
1,2-DIBROMOETHANE	NL	<0.50 U	<0.50 U	<0.50 U	<0.50 UJ
1,2-DICHLOROBENZENE	3	<0.50 U	<0.50 U	<0.50 U	<0.50 UJ
1,2-DICHLOROETHANE	5	<0.50 U	<0.50 U	<0.50 U	<0.50 UJ
1,2-DICHLOROETHENE, TOTAL	5	<1.0 U	<1.0 U	<1.0 U	<1.0 UJ
1,2-DICHLOROPROPANE	1	<0.50 U	<0.50 U	<0.50 U	<0.50 UJ
1,3-DICHLOROBENZENE	3	<0.50 U	<0.50 U	<0.50 U	<0.50 UJ
1,4-DICHLOROBENZENE	3	<0.50 U	<0.50 U	<0.50 U	<0.50 UJ
2-BUTANONE	50	<2.5 U	<2.5 U	<2.5 U	<2.5 UJ
2-HEXANONE	50	<2.5 U	<2.5 U	<2.5 U	<2.5 UJ
4-METHYL-2-PENTANONE	NL	<2.5 U	<2.5 U	<2.5 U	<2.5 UJ
ACETONE	50	<2.5 UJ	<b>2.3 J</b>	<2.5 UJ	<2.5 UJ
BENZENE	1	<0.50 U	<0.50 U	<0.50 U	<0.50 UJ
BROMODICHLOROMETHANE	50	<0.50 U	<0.50 U	<0.50 U	<0.50 UJ
BROMOFORM	50	<0.50 U	<0.50 U	<0.50 U	<0.50 UJ
BROMOMETHANE	5	<1.0 U	<1.0 U	<1.0 U	<1.0 UJ
CARBON DISULFIDE	60	<0.50 U	<0.50 U	<0.50 U	<0.50 UJ
CARBON TETRACHLORIDE	5	<0.50 U	<0.50 U	<0.50 U	<0.50 UJ
CHLOROBENZENE	5	<0.50 U	<0.50 U	<0.50 U	<0.50 UJ
CHLOROETHANE	5	<1.0 U	<1.0 U	<1.0 U	<1.0 UJ
CHLOROFORM	7	<0.50 U	<0.50 U	<0.50 U	<0.50 UJ
CHLOROMETHANE	5	<1.0 U	<1.0 U	<1.0 U	<1.0 UJ
CIS-1,2-DICHLOROETHENE	5	<0.50 U	<0.50 U	<0.50 U	<0.50 UJ
CIS-1,3-DICHLOROPROPENE	0.4	<b>&lt;0.50 U</b>	<b>&lt;0.50 U</b>	<b>&lt;0.50 U</b>	<b>&lt;0.50 UJ</b>
CYCLOHEXANE	NL	<0.50 U	<0.50 U	<0.50 U	<0.50 UJ
DIBROMOCHLOROMETHANE	5	<0.50 U	<0.50 U	<0.50 U	<0.50 UJ
DICHLORODIFLUOROMETHANE	5	<1.0 U	<1.0 U	<1.0 U	<1.0 UJ
ETHYLBENZENE	5	<0.50 U	<0.50 U	<0.50 U	<0.50 UJ
ISOPROPYLBENZENE	5	<0.50 U	<0.50 U	<0.50 U	<0.50 UJ
M- AND P-XYLENE	NL	<1.0 U	<1.0 U	<1.0 U	<1.0 UJ
METHYL ACETATE	NL	<0.75 U	<0.75 U	<0.75 U	<0.75 UJ
METHYL CYCLOHEXANE	NL	<0.50 U	<0.50 U	<0.50 U	<0.50 UJ
METHYL TERT-BUTYL ETHER	10	<0.50 U	<0.50 U	<0.50 U	<0.50 UJ
METHYLENE CHLORIDE	5	<2.5 U	<2.5 U	<2.5 U	<2.5 UJ
O-XYLENE	NL	<0.50 U	<0.50 U	<0.50 U	<0.50 UJ
STYRENE	5	<0.50 U	<0.50 U	<0.50 U	<0.50 UJ
TETRACHLOROETHENE	5	<0.50 UJ	<0.50 UJ	<0.50 UJ	<0.50 UJ
TOLUENE	5	<0.50 U	<0.50 U	<0.50 U	<0.50 UJ
TRANS-1,2-DICHLOROETHENE	5	<0.50 U	<0.50 U	<0.50 U	<0.50 UJ
TRANS-1,3-DICHLOROPROPENE	0.4	<b>&lt;0.50 U</b>	<b>&lt;0.50 U</b>	<b>&lt;0.50 U</b>	<b>&lt;0.50 UJ</b>
TRICHLOROETHENE	5	<0.50 U	<0.50 U	<0.50 U	<0.50 UJ
TRICHLOROFLUOROMETHANE	5	<1.0 U	<1.0 U	<1.0 U	<1.0 UJ
VINYL CHLORIDE	2	<1.0 U	<1.0 U	<1.0 U	<1.0 UJ
XYLENES, TOTAL	5	<1.5 U	<1.5 U	<1.5 U	<1.5 UJ

Location	NYSDEC Groundwater Guidance or Standard Value (Note 1)	VPB163	VPB163	VPB163	VPB163
Sample Date		1/11/2016	1/12/2016	1/12/2016	1/13/2016
Sample ID		VPB163-GW-011116-638-640	VPB163-GW-011216-658-660	VPB163-GW-011216-678-680	VPB163-GW-011316-698-700
Sample Interval (ft bgs)		638-640	658-660	678-680	698-700
Sample type code		N	N	N	N
<b>VOC 8260C (ug/L)</b>					
1,1,1-TRICHLOROETHANE	5	<2.5 UJ	<0.50 UJ	<0.50 UJ	<0.50 UJ
1,1,2,2-TETRACHLOROETHANE	5	<2.5 UJ	<0.50 UJ	<0.50 UJ	<0.50 UJ
1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	5	<2.5 UJ	<0.50 UJ	<0.50 UJ	<0.50 UJ
1,1,2-TRICHLOROETHANE	1	<b>&lt;2.5 UJ</b>	<0.50 UJ	<0.50 UJ	<0.50 UJ
1,1-DICHLOROETHANE	5	<2.5 UJ	<0.50 UJ	<0.50 UJ	<0.50 UJ
1,1-DICHLOROETHENE	5	<2.5 UJ	<0.50 UJ	<0.50 UJ	<0.50 UJ
1,2,4-TRICHLOROBENZENE	5	<2.5 UJ	<0.50 UJ	<0.50 UJ	<0.50 UJ
1,2-DIBROMO-3-CHLOROPROPANE	0.04	<b>&lt;3.8 UJ</b>	<b>&lt;0.75 UJ</b>	<b>&lt;0.75 UJ</b>	<b>&lt;0.75 UJ</b>
1,2-DIBROMOETHANE	NL	<2.5 UJ	<0.50 UJ	<0.50 UJ	<0.50 UJ
1,2-DICHLOROBENZENE	3	<2.5 UJ	<0.50 UJ	<0.50 UJ	<0.50 UJ
1,2-DICHLOROETHANE	5	<2.5 UJ	<0.50 UJ	<0.50 UJ	<0.50 UJ
1,2-DICHLOROETHENE, TOTAL	5	<5.0 UJ	<1.0 UJ	<1.0 UJ	<1.0 UJ
1,2-DICHLOROPROPANE	1	<b>&lt;2.5 UJ</b>	<0.50 UJ	<0.50 UJ	<0.50 UJ
1,3-DICHLOROBENZENE	3	<2.5 UJ	<0.50 UJ	<0.50 UJ	<0.50 UJ
1,4-DICHLOROBENZENE	3	<2.5 UJ	<0.50 UJ	<0.50 UJ	<0.50 UJ
2-BUTANONE	50	<12 UJ	<2.5 UJ	<2.5 UJ	<2.5 UJ
2-HEXANONE	50	<12 UJ	<2.5 UJ	<2.5 UJ	<2.5 UJ
4-METHYL-2-PENTANONE	NL	<12 UJ	<2.5 UJ	<2.5 UJ	<2.5 UJ
ACETONE	50	<12 UJ	<b>14 J</b>	<b>18 J</b>	<b>16 J</b>
BENZENE	1	<b>&lt;2.5 UJ</b>	<0.50 UJ	<0.50 UJ	<0.50 UJ
BROMODICHLOROMETHANE	50	<2.5 UJ	<0.50 UJ	<0.50 UJ	<0.50 UJ
BROMOFORM	50	<2.5 UJ	<0.50 UJ	<0.50 UJ	<0.50 UJ
BROMOMETHANE	5	<5.0 UJ	<1.0 UJ	<1.0 UJ	<1.0 UJ
CARBON DISULFIDE	60	<2.5 UJ	<0.50 UJ	<0.50 UJ	<0.50 UJ
CARBON TETRACHLORIDE	5	<2.5 UJ	<0.50 UJ	<0.50 UJ	<0.50 UJ
CHLOROBENZENE	5	<2.5 UJ	<0.50 UJ	<0.50 UJ	<0.50 UJ
CHLOROETHANE	5	<5.0 UJ	<1.0 UJ	<1.0 UJ	<1.0 UJ
CHLOROFORM	7	<2.5 UJ	<0.50 UJ	<0.50 UJ	<0.50 UJ
CHLOROMETHANE	5	<5.0 UJ	<1.0 UJ	<1.0 UJ	<1.0 UJ
CIS-1,2-DICHLOROETHENE	5	<2.5 UJ	<0.50 UJ	<0.50 UJ	<0.50 UJ
CIS-1,3-DICHLOROPROPENE	0.4	<b>&lt;2.5 UJ</b>	<b>&lt;0.50 UJ</b>	<b>&lt;0.50 UJ</b>	<b>&lt;0.50 UJ</b>
CYCLOHEXANE	NL	<2.5 UJ	<0.50 UJ	<0.50 UJ	<0.50 UJ
DIBROMOCHLOROMETHANE	5	<2.5 UJ	<0.50 UJ	<0.50 UJ	<0.50 UJ
DICHLORODIFLUOROMETHANE	5	<5.0 UJ	<1.0 UJ	<1.0 UJ	<1.0 UJ
ETHYLBENZENE	5	<2.5 UJ	<0.50 UJ	<0.50 UJ	<0.50 UJ
ISOPROPYLBENZENE	5	<2.5 UJ	<0.50 UJ	<0.50 UJ	<0.50 UJ
M- AND P-XYLENE	NL	<5.0 UJ	<1.0 UJ	<1.0 UJ	<1.0 UJ
METHYL ACETATE	NL	<3.8 UJ	<0.75 UJ	<0.75 UJ	<0.75 UJ
METHYL CYCLOHEXANE	NL	<2.5 UJ	<0.50 UJ	<0.50 UJ	<0.50 UJ
METHYL TERT-BUTYL ETHER	10	<2.5 UJ	<0.50 UJ	<0.50 UJ	<0.50 UJ
METHYLENE CHLORIDE	5	<b>&lt;12 UJ</b>	<2.5 UJ	<2.5 UJ	<2.5 UJ
O-XYLENE	NL	<2.5 UJ	<0.50 UJ	<0.50 UJ	<0.50 UJ
STYRENE	5	<2.5 UJ	<0.50 UJ	<0.50 UJ	<0.50 UJ
TETRACHLOROETHENE	5	<2.5 UJ	<0.50 UJ	<0.50 UJ	<0.50 UJ
TOLUENE	5	<2.5 UJ	<0.50 UJ	<0.50 UJ	<0.50 UJ
TRANS-1,2-DICHLOROETHENE	5	<2.5 UJ	<0.50 UJ	<0.50 UJ	<0.50 UJ
TRANS-1,3-DICHLOROPROPENE	0.4	<b>&lt;2.5 UJ</b>	<b>&lt;0.50 UJ</b>	<b>&lt;0.50 UJ</b>	<b>&lt;0.50 UJ</b>
TRICHLOROETHENE	5	<2.5 UJ	<0.50 UJ	<0.50 UJ	<0.50 UJ
TRICHLOROFLUOROMETHANE	5	<5.0 UJ	<1.0 UJ	<1.0 UJ	<1.0 UJ
VINYL CHLORIDE	2	<b>&lt;5.0 UJ</b>	<1.0 UJ	<1.0 UJ	<1.0 UJ
XYLENES, TOTAL	5	<b>&lt;7.5 UJ</b>	<1.5 UJ	<1.5 UJ	<1.5 UJ

Location	NYSDEC Groundwater Guidance or Standard Value (Note 1)	VPB163	VPB163	VPB163	VPB163
Sample Date		1/13/2016	1/14/2016	1/15/2016	1/15/2016
Sample ID		VPB163-GW-011316-718-720	VPB163-GW-011416-738-740	VPB163-GW-011516-763-765	VPB163-GW-011516-778-780
Sample Interval (ft bgs)		718-720	738-740	763-765	778-780
Sample type code		N	N	N	N
<b>VOC 8260C (ug/L)</b>					
1,1,1-TRICHLOROETHANE	5	<0.50 U	<2.0 UJ	<1.5 UJ	<1.0 UJ
1,1,2,2-TETRACHLOROETHANE	5	<0.50 U	<2.0 UJ	<1.5 UJ	<1.0 UJ
1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	5	<0.50 U	<2.0 UJ	<1.5 UJ	<1.0 UJ
1,1,2-TRICHLOROETHANE	1	<0.50 U	<b>&lt;2.0 UJ</b>	<b>&lt;1.5 UJ</b>	<1.0 UJ
1,1-DICHLOROETHANE	5	<0.50 U	<2.0 UJ	<1.5 UJ	<1.0 UJ
1,1-DICHLOROETHENE	5	<0.50 U	<2.0 UJ	<1.5 UJ	<1.0 UJ
1,2,4-TRICHLOROBENZENE	5	<0.50 U	<2.0 UJ	<1.5 UJ	<1.0 UJ
1,2-DIBROMO-3-CHLOROPROPANE	0.04	<b>&lt;0.75 UJ</b>	<b>&lt;3.0 UJ</b>	<b>&lt;2.2 UJ</b>	<b>&lt;1.5 UJ</b>
1,2-DIBROMOETHANE	NL	<0.50 U	<2.0 UJ	<1.5 UJ	<1.0 UJ
1,2-DICHLOROBENZENE	3	<0.50 U	<2.0 UJ	<1.5 UJ	<1.0 UJ
1,2-DICHLOROETHANE	5	<0.50 U	<2.0 UJ	<1.5 UJ	<1.0 UJ
1,2-DICHLOROETHENE, TOTAL	5	<1.0 U	<4.0 UJ	<3.0 UJ	<2.0 UJ
1,2-DICHLOROPROPANE	1	<0.50 U	<b>&lt;2.0 UJ</b>	<b>&lt;1.5 UJ</b>	<1.0 UJ
1,3-DICHLOROBENZENE	3	<0.50 U	<2.0 UJ	<1.5 UJ	<1.0 UJ
1,4-DICHLOROBENZENE	3	<0.50 U	<2.0 UJ	<1.5 UJ	<1.0 UJ
2-BUTANONE	50	<2.5 UJ	<10 UJ	<7.5 UJ	<5.0 UJ
2-HEXANONE	50	<2.5 UJ	<10 UJ	<7.5 UJ	<5.0 UJ
4-METHYL-2-PENTANONE	NL	<2.5 UJ	<10 UJ	<7.5 UJ	<5.0 UJ
ACETONE	50	<2.5 UJ	<10 UJ	<b>15 J</b>	<b>12 J</b>
BENZENE	1	<0.50 U	<b>&lt;2.0 UJ</b>	<b>&lt;1.5 UJ</b>	<1.0 UJ
BROMODICHLOROMETHANE	50	<0.50 U	<2.0 UJ	<1.5 UJ	<1.0 UJ
BROMOFORM	50	<0.50 U	<2.0 UJ	<1.5 UJ	<1.0 UJ
BROMOMETHANE	5	<1.0 U	<4.0 UJ	<3.0 UJ	<2.0 UJ
CARBON DISULFIDE	60	<0.50 UJ	<2.0 UJ	<1.5 UJ	<1.0 UJ
CARBON TETRACHLORIDE	5	<0.50 U	<2.0 UJ	<1.5 UJ	<1.0 UJ
CHLOROBENZENE	5	<0.50 U	<2.0 UJ	<1.5 UJ	<1.0 UJ
CHLOROETHANE	5	<1.0 U	<4.0 UJ	<3.0 UJ	<2.0 UJ
CHLOROFORM	7	<0.50 U	<2.0 UJ	<1.5 UJ	<1.0 UJ
CHLOROMETHANE	5	<1.0 U	<4.0 UJ	<3.0 UJ	<2.0 UJ
CIS-1,2-DICHLOROETHENE	5	<0.50 U	<2.0 UJ	<1.5 UJ	<1.0 UJ
CIS-1,3-DICHLOROPROPENE	0.4	<b>&lt;0.50 U</b>	<b>&lt;2.0 UJ</b>	<b>&lt;1.5 UJ</b>	<b>&lt;1.0 UJ</b>
CYCLOHEXANE	NL	<0.50 U	<2.0 UJ	<1.5 UJ	<1.0 UJ
DIBROMOCHLOROMETHANE	5	<0.50 U	<2.0 UJ	<1.5 UJ	<1.0 UJ
DICHLORODIFLUOROMETHANE	5	<1.0 UJ	<4.0 UJ	<3.0 UJ	<2.0 UJ
ETHYLBENZENE	5	<0.50 U	<2.0 UJ	<1.5 UJ	<1.0 UJ
ISOPROPYLBENZENE	5	<0.50 U	<2.0 UJ	<1.5 UJ	<1.0 UJ
M- AND P-XYLENE	NL	<1.0 U	<4.0 UJ	<3.0 UJ	<2.0 UJ
METHYL ACETATE	NL	<0.75 U	<3.0 UJ	<2.2 UJ	<1.5 UJ
METHYL CYCLOHEXANE	NL	<0.50 U	<2.0 UJ	<1.5 UJ	<1.0 UJ
METHYL TERT-BUTYL ETHER	10	<0.50 U	<2.0 UJ	<1.5 UJ	<1.0 UJ
METHYLENE CHLORIDE	5	<2.5 U	<b>&lt;10 UJ</b>	<b>&lt;7.5 UJ</b>	<5.0 UJ
O-XYLENE	NL	<0.50 U	<2.0 UJ	<1.5 UJ	<1.0 UJ
STYRENE	5	<0.50 U	<2.0 UJ	<1.5 UJ	<1.0 UJ
TETRACHLOROETHENE	5	<0.50 U	<2.0 UJ	<1.5 UJ	<1.0 UJ
TOLUENE	5	<0.50 U	<2.0 UJ	<1.5 UJ	<1.0 UJ
TRANS-1,2-DICHLOROETHENE	5	<0.50 U	<2.0 UJ	<1.5 UJ	<1.0 UJ
TRANS-1,3-DICHLOROPROPENE	0.4	<b>&lt;0.50 U</b>	<b>&lt;2.0 UJ</b>	<b>&lt;1.5 UJ</b>	<b>&lt;1.0 UJ</b>
TRICHLOROETHENE	5	<0.50 U	<2.0 UJ	<1.5 UJ	<1.0 UJ
TRICHLOROFLUOROMETHANE	5	<1.0 U	<4.0 UJ	<3.0 UJ	<2.0 UJ
VINYL CHLORIDE	2	<1.0 U	<b>&lt;4.0 UJ</b>	<b>&lt;3.0 UJ</b>	<2.0 UJ
XYLENES, TOTAL	5	<1.5 U	<b>&lt;6.0 UJ</b>	<4.5 UJ	<3.0 UJ

Location	NYSDEC Groundwater Guidance or Standard Value (Note 1)	VPB163	VPB163	VPB163	VPB163
Sample Date		1/15/2016	1/18/2016	1/19/2016	1/20/2016
Sample ID		VPB163-GW-011516-798-800	VPB163-GW-011816-818-820	VPB163-GW-011916-838-840	VPB163-GW-012016-858-860
Sample Interval (ft bgs)		798-800	818-820	838-840	858-860
Sample type code		N	N	N	N
<b>VOC 8260C (ug/L)</b>					
1,1,1-TRICHLOROETHANE	5	<0.50 UJ	<1.0 UJ	<0.50 UJ	<0.50 U
1,1,2,2-TETRACHLOROETHANE	5	<0.50 UJ	<1.0 UJ	<0.50 UJ	<0.50 U
1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	5	<0.50 UJ	<1.0 UJ	<0.50 UJ	<0.50 U
1,1,2-TRICHLOROETHANE	1	<0.50 UJ	<1.0 UJ	<0.50 UJ	<0.50 U
1,1-DICHLOROETHANE	5	<0.50 UJ	<1.0 UJ	<0.50 UJ	<0.50 U
1,1-DICHLOROETHENE	5	<0.50 UJ	<1.0 UJ	<0.50 UJ	<0.50 U
1,2,4-TRICHLOROBENZENE	5	<0.50 UJ	<1.0 UJ	<0.50 UJ	<0.50 U
1,2-DIBROMO-3-CHLOROPROPANE	0.04	<b>&lt;0.75 UJ</b>	<b>&lt;1.5 UJ</b>	<b>&lt;0.75 UJ</b>	<b>&lt;0.75 U</b>
1,2-DIBROMOETHANE	NL	<0.50 UJ	<1.0 UJ	<0.50 UJ	<0.50 U
1,2-DICHLOROBENZENE	3	<0.50 UJ	<1.0 UJ	<0.50 UJ	<0.50 U
1,2-DICHLOROETHANE	5	<0.50 UJ	<1.0 UJ	<0.50 UJ	<0.50 U
1,2-DICHLOROETHENE, TOTAL	5	<1.0 UJ	<2.0 UJ	<1.0 UJ	<1.0 U
1,2-DICHLOROPROPANE	1	<0.50 UJ	<1.0 UJ	<0.50 UJ	<0.50 U
1,3-DICHLOROBENZENE	3	<0.50 UJ	<1.0 UJ	<0.50 UJ	<0.50 U
1,4-DICHLOROBENZENE	3	<0.50 UJ	<1.0 UJ	<0.50 UJ	<0.50 U
2-BUTANONE	50	<2.5 UJ	<5.0 UJ	<2.5 UJ	<2.5 UJ
2-HEXANONE	50	<2.5 UJ	<5.0 UJ	<2.5 UJ	<2.5 UJ
4-METHYL-2-PENTANONE	NL	<2.5 UJ	<5.0 UJ	<2.5 UJ	<2.5 UJ
ACETONE	50	<b>8.6 J</b>	<b>9.0 J</b>	<b>14 J</b>	<2.5 UJ
BENZENE	1	<0.50 UJ	<1.0 UJ	<0.50 UJ	<0.50 U
BROMODICHLOROMETHANE	50	<0.50 UJ	<1.0 UJ	<0.50 UJ	<0.50 U
BROMOFORM	50	<0.50 UJ	<1.0 UJ	<0.50 UJ	<0.50 U
BROMOMETHANE	5	<1.0 UJ	<2.0 UJ	<1.0 UJ	<1.0 U
CARBON DISULFIDE	60	<0.50 UJ	<1.0 UJ	<0.50 UJ	<0.50 U
CARBON TETRACHLORIDE	5	<0.50 UJ	<1.0 UJ	<0.50 UJ	<0.50 U
CHLOROBENZENE	5	<0.50 UJ	<1.0 UJ	<0.50 UJ	<0.50 U
CHLOROETHANE	5	<1.0 UJ	<2.0 UJ	<1.0 UJ	<1.0 UJ
CHLOROFORM	7	<0.50 UJ	<1.0 UJ	<0.50 UJ	<0.50 U
CHLOROMETHANE	5	<1.0 UJ	<2.0 UJ	<1.0 UJ	<1.0 UJ
CIS-1,2-DICHLOROETHENE	5	<0.50 UJ	<1.0 UJ	<0.50 UJ	<0.50 U
CIS-1,3-DICHLOROPROPENE	0.4	<b>&lt;0.50 UJ</b>	<b>&lt;1.0 UJ</b>	<b>&lt;0.50 UJ</b>	<b>&lt;0.50 U</b>
CYCLOHEXANE	NL	<0.50 UJ	<1.0 UJ	<0.50 UJ	<0.50 U
DIBROMOCHLOROMETHANE	5	<0.50 UJ	<1.0 UJ	<0.50 UJ	<0.50 U
DICHLORODIFLUOROMETHANE	5	<1.0 UJ	<2.0 UJ	<1.0 UJ	<1.0 UJ
ETHYLBENZENE	5	<0.50 UJ	<1.0 UJ	<0.50 UJ	<0.50 U
ISOPROPYLBENZENE	5	<0.50 UJ	<1.0 UJ	<0.50 UJ	<0.50 U
M- AND P-XYLENE	NL	<1.0 UJ	<2.0 UJ	<1.0 UJ	<1.0 U
METHYL ACETATE	NL	<0.75 UJ	<1.5 UJ	<0.75 UJ	<0.75 U
METHYL CYCLOHEXANE	NL	<0.50 UJ	<1.0 UJ	<0.50 UJ	<0.50 U
METHYL TERT-BUTYL ETHER	10	<0.50 UJ	<1.0 UJ	<0.50 UJ	<0.50 U
METHYLENE CHLORIDE	5	<2.5 UJ	<5.0 UJ	<2.5 UJ	<2.5 U
O-XYLENE	NL	<0.50 UJ	<1.0 UJ	<0.50 UJ	<0.50 U
STYRENE	5	<0.50 UJ	<1.0 UJ	<0.50 UJ	<0.50 U
TETRACHLOROETHENE	5	<0.50 UJ	<1.0 UJ	<0.50 UJ	<0.50 U
TOLUENE	5	<0.50 UJ	<1.0 UJ	<0.50 UJ	<0.50 U
TRANS-1,2-DICHLOROETHENE	5	<0.50 UJ	<1.0 UJ	<0.50 UJ	<0.50 U
TRANS-1,3-DICHLOROPROPENE	0.4	<b>&lt;0.50 UJ</b>	<b>&lt;1.0 UJ</b>	<b>&lt;0.50 UJ</b>	<b>&lt;0.50 U</b>
TRICHLOROETHENE	5	<0.50 UJ	<1.0 UJ	<0.50 UJ	<0.50 U
TRICHLOROFLUOROMETHANE	5	<1.0 UJ	<2.0 UJ	<1.0 UJ	<1.0 U
VINYL CHLORIDE	2	<1.0 UJ	<2.0 UJ	<1.0 UJ	<1.0 U
XYLENES, TOTAL	5	<1.5 UJ	<3.0 UJ	<1.5 UJ	<1.5 U

Location	NYSDEC Groundwater Guidance or Standard Value (Note 1)	VPB163	VPB163	VPB163	VPB163
Sample Date		1/21/2016	1/26/2016	1/27/2016	1/27/2016
Sample ID		VPB163-GW-012116-878-880	VPB163-GW-012616-918-920	VPB163-GW-012716-938-940	VPB163-GW-012716-958-960
Sample Interval (ft bgs)		878-880	918-920	938-940	958-960
Sample type code		N	N	N	N
<b>VOC 8260C (ug/L)</b>					
1,1,1-TRICHLOROETHANE	5	<0.50 UJ	<3.4 UJ	<2.0 UJ	<b>&lt;5.7 UJ</b>
1,1,2,2-TETRACHLOROETHANE	5	<0.50 UJ	<3.4 UJ	<2.0 UJ	<b>&lt;5.7 UJ</b>
1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	5	<0.50 UJ	<3.4 UJ	<2.0 UJ	<b>&lt;5.7 UJ</b>
1,1,2-TRICHLOROETHANE	1	<0.50 UJ	<b>&lt;3.4 UJ</b>	<b>&lt;2.0 UJ</b>	<b>&lt;5.7 UJ</b>
1,1-DICHLOROETHANE	5	<0.50 UJ	<3.4 UJ	<2.0 UJ	<b>&lt;5.7 UJ</b>
1,1-DICHLOROETHENE	5	<0.50 UJ	<3.4 UJ	<2.0 UJ	<b>&lt;5.7 UJ</b>
1,2,4-TRICHLOROBENZENE	5	<0.50 UJ	<3.4 UJ	<2.0 UJ	<b>&lt;5.7 UJ</b>
1,2-DIBROMO-3-CHLOROPROPANE	0.04	<b>&lt;0.75 UJ</b>	<b>&lt;5.0 UJ</b>	<b>&lt;3.0 UJ</b>	<b>&lt;8.6 UJ</b>
1,2-DIBROMOETHANE	NL	<0.50 UJ	<3.4 UJ	<2.0 UJ	<5.7 UJ
1,2-DICHLOROBENZENE	3	<0.50 UJ	<b>&lt;3.4 UJ</b>	<2.0 UJ	<b>&lt;5.7 UJ</b>
1,2-DICHLOROETHANE	5	<0.50 UJ	<3.4 UJ	<2.0 UJ	<b>&lt;5.7 UJ</b>
1,2-DICHLOROETHENE, TOTAL	5	<1.0 UJ	<b>&lt;6.7 UJ</b>	<4.0 UJ	<b>&lt;11 UJ</b>
1,2-DICHLOROPROPANE	1	<0.50 UJ	<b>&lt;3.4 UJ</b>	<b>&lt;2.0 UJ</b>	<b>&lt;5.7 UJ</b>
1,3-DICHLOROBENZENE	3	<0.50 UJ	<b>&lt;3.4 UJ</b>	<2.0 UJ	<b>&lt;5.7 UJ</b>
1,4-DICHLOROBENZENE	3	<0.50 UJ	<b>&lt;3.4 UJ</b>	<2.0 UJ	<b>&lt;5.7 UJ</b>
2-BUTANONE	50	<2.5 UJ	<17 UJ	<10 UJ	<28 UJ
2-HEXANONE	50	<2.5 UJ	<17 UJ	<10 UJ	<28 UJ
4-METHYL-2-PENTANONE	NL	<2.5 UJ	<17 UJ	<10 UJ	<28 UJ
ACETONE	50	<2.5 UJ	<b>19 J</b>	<b>16 J</b>	<28 UJ
BENZENE	1	<0.50 UJ	<b>&lt;3.4 UJ</b>	<b>&lt;2.0 UJ</b>	<b>&lt;5.7 UJ</b>
BROMODICHLOROMETHANE	50	<0.50 UJ	<3.4 UJ	<2.0 UJ	<5.7 UJ
BROMOFORM	50	<0.50 UJ	<3.4 UJ	<2.0 UJ	<5.7 UJ
BROMOMETHANE	5	<1.0 UJ	<b>&lt;6.7 UJ</b>	<4.0 UJ	<b>&lt;11 UJ</b>
CARBON DISULFIDE	60	<0.50 UJ	<3.4 UJ	<2.0 UJ	<5.7 UJ
CARBON TETRACHLORIDE	5	<0.50 UJ	<3.4 UJ	<2.0 UJ	<b>&lt;5.7 UJ</b>
CHLOROBENZENE	5	<0.50 UJ	<3.4 UJ	<2.0 UJ	<b>&lt;5.7 UJ</b>
CHLOROETHANE	5	<1.0 UJ	<b>&lt;6.7 UJ</b>	<4.0 UJ	<b>&lt;11 UJ</b>
CHLOROFORM	7	<0.50 UJ	<3.4 UJ	<2.0 UJ	<5.7 UJ
CHLOROMETHANE	5	<1.0 UJ	<b>&lt;6.7 UJ</b>	<4.0 UJ	<b>&lt;11 UJ</b>
CIS-1,2-DICHLOROETHENE	5	<0.50 UJ	<3.4 UJ	<2.0 UJ	<b>&lt;5.7 UJ</b>
CIS-1,3-DICHLOROPROPENE	0.4	<b>&lt;0.50 UJ</b>	<b>&lt;3.4 UJ</b>	<b>&lt;2.0 UJ</b>	<b>&lt;5.7 UJ</b>
CYCLOHEXANE	NL	<0.50 UJ	<3.4 UJ	<2.0 UJ	<5.7 UJ
DIBROMOCHLOROMETHANE	5	<0.50 UJ	<3.4 UJ	<2.0 UJ	<b>&lt;5.7 UJ</b>
DICHLORODIFLUOROMETHANE	5	<1.0 UJ	<b>&lt;6.7 UJ</b>	<4.0 UJ	<b>&lt;11 UJ</b>
ETHYLBENZENE	5	<0.50 UJ	<3.4 UJ	<2.0 UJ	<b>&lt;5.7 UJ</b>
ISOPROPYLBENZENE	5	<0.50 UJ	<3.4 UJ	<2.0 UJ	<b>&lt;5.7 UJ</b>
M- AND P-XYLENE	NL	<1.0 UJ	<6.7 UJ	<4.0 UJ	<11 UJ
METHYL ACETATE	NL	<0.75 UJ	<5.0 UJ	<b>3.2 J</b>	<8.6 UJ
METHYL CYCLOHEXANE	NL	<0.50 UJ	<3.4 UJ	<2.0 UJ	<5.7 UJ
METHYL TERT-BUTYL ETHER	10	<0.50 UJ	<3.4 UJ	<2.0 UJ	<5.7 UJ
METHYLENE CHLORIDE	5	<2.5 UJ	<b>&lt;17 UJ</b>	<b>&lt;10 UJ</b>	<b>&lt;28 UJ</b>
O-XYLENE	NL	<0.50 UJ	<3.4 UJ	<2.0 UJ	<5.7 UJ
STYRENE	5	<0.50 UJ	<3.4 UJ	<2.0 UJ	<b>&lt;5.7 UJ</b>
TETRACHLOROETHENE	5	<0.50 UJ	<3.4 UJ	<2.0 UJ	<b>&lt;5.7 UJ</b>
TOLUENE	5	<0.50 UJ	<3.4 UJ	<2.0 UJ	<b>&lt;5.7 UJ</b>
TRANS-1,2-DICHLOROETHENE	5	<0.50 UJ	<3.4 UJ	<2.0 UJ	<b>&lt;5.7 UJ</b>
TRANS-1,3-DICHLOROPROPENE	0.4	<b>&lt;0.50 UJ</b>	<b>&lt;3.4 UJ</b>	<b>&lt;2.0 UJ</b>	<b>&lt;5.7 UJ</b>
TRICHLOROETHENE	5	<0.50 UJ	<3.4 UJ	<2.0 UJ	<b>&lt;5.7 UJ</b>
TRICHLOROFLUOROMETHANE	5	<1.0 UJ	<b>&lt;6.7 UJ</b>	<4.0 UJ	<b>&lt;11 UJ</b>
VINYL CHLORIDE	2	<1.0 UJ	<b>&lt;6.7 UJ</b>	<b>&lt;4.0 UJ</b>	<b>&lt;11 UJ</b>
XYLENES, TOTAL	5	<1.5 UJ	<b>&lt;10 UJ</b>	<b>&lt;6.0 UJ</b>	<b>&lt;17 UJ</b>

**Notes:**

1 New York State Department of Environmental Conservation Division of Water Technical and Operation Guidance series

(6 NYCRR 700-706, Part 703.5 summarized in TOGS 1.1.1)

Ambient water quality standards and groundwater effluent limitations, class GA; NL = Not Listed

**Bold** = Detected; ***Bold and Italic*** = Not detected exceeds NYS Groundwater Standards or guidance value

Yellow highlighted values exceed Groundwater Standards or guidance value

Sample interval (ft bgs): sample interval in feet below ground surface

Sample type codes: N - normal environmental sample, FD - field duplicate

U = Nondetected result. The analyte was analyzed for, but was not detected above the reported sample quantitation limit.

UJ = The analyte was not detected above the reported sample quantitation limit. However, the reported quantitation limit is approximate and may or may not represent the actual limit of quantitation necessary to accurately and precisely measure the analyte.

J = The analyte was positively identified; the associated numerical value is the approximate concentration of the analyte in the sample.

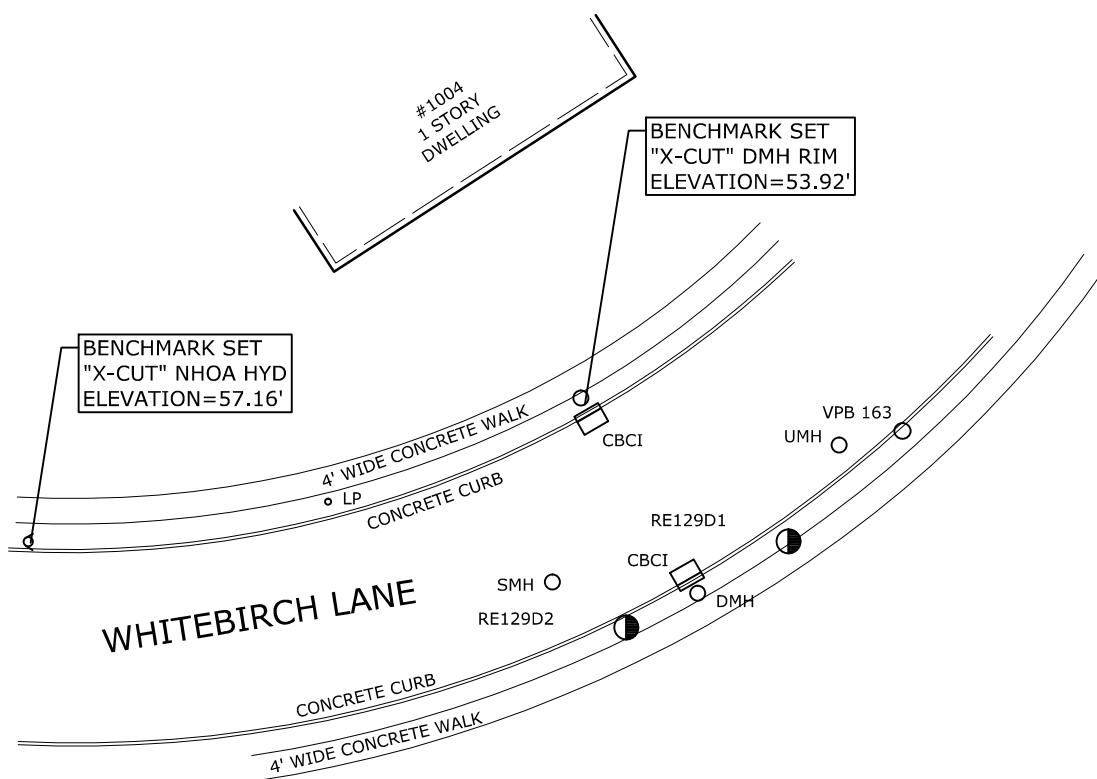
M = the matrix spike or matrix spike duplicate did not meet recovery or precision requirements.

## Section 6

VPB163 Survey

UNAUTHORIZED ALTERATION OR ADDITION TO  
THIS DOCUMENT IS A VIOLATION OF SECTION  
7209 SUBDIVISION 2 OF THE NEW YORK STATE  
EDUCATION LAW.

Description	Northing	Easting	Latitude	Longitude	Ground	Rim	PVC
VPB 163	196103.89	1124117.34	N40-42-13.79	W73-29-43.96	53.94	NA	NA
RE129D1	196086.63	1124099.54	N40-42-13.62	W73-29-44.19	54.09	54.09	53.63
RE129D2	196073.15	1124074.20	N40-42-13.49	W73-29-44.52	53.96	53.96	53.52



#### Legend

- CBCI Catch Basin Curb Inlet
- DMH Drainage Manhole
- LP Light Pole
- Monitoring Well
- SMH Sanitary Manhole
- UMH Unknown Manhole
- VPB 163 Vertical Profile Boring

#### Map Notes

- Information shown hereon was compiled from an actual field survey conducted on April 27, 2016.
- North orientation is Grid North based on the New York State Plane Coordinate System, Long Island Zone, NAD 83(2011) epoch 2010.00 as obtained from GPS observations.
- Vertical datum shown hereon is NAVD 88(Geoid12A) as obtained from RTK GPS observations using the Queens CORS as a base station.



DWG NO.16-327

Date	RECORD OF WORK		Appr.	VERTICAL PROFILE BORING 163 SURVEY LOCATION 1004 WHITEBIRCH LANE	
				TOWN OF HEMPSTEAD      NASSAU COUNTY, NEW YORK	
				C.T. MALE ASSOCIATES Engineering, Surveying, Architecture & Landscape Architecture, D.P.C.	
				50 CENTURY HILL DRIVE, LATHAM, NY 12110 518.786.7400 * FAX 518.786.7299	
Drafter: LMK	Checker: JFC			SCALE: 1"=30'	
Appr. by: JFC	Proj. No. 14.4121			DATE: APRIL 27, 2016	